ADDENDUM A

TABLE 1 – NUCLEOTIDE SEQUENCES

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SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted	Targeted	Cite
#	10 "	Traciconae Sequence		Ligand	Pathology	#
1	D-1	ACT TAC AAA ACA AAG	Integrin α₂ subunit	CN I-IV, LN,	Thromb, Ather,	1
		GAG GAA ATG ATA GTA	(CD49b, VLA-2, platelet	Echovirus-1	SIRS, MOF, SS, ID	
		GCA ACG AGT CAG ACC	gpIa) I domain	receptor		
	D 2	AGT CAA TAT	Internit or publicate	CN I-IV, LN,	Thromb, Ather,	2
NA	D-2	ACT TAC AAA	Integrin α_2 subunit	Echovirus-1	SIRS, MOF, SS, ID	-
			(CD49b, VLA-2, platelet	receptor	31K3, WO1, 33, 1D	l ·
	- D 2	CAG ACC AGT CAA TAT	gpla) I domain	CN I-IV, LN,	Thromb, Ather,	2
3	D-3	CAU ACC AUT CAA TAT	Integrin α_2 subunit	Echovirus-1	SIRS, MOF, SS, ID	-
			(CD49b, VLA-2, platelet	receptor	SIKS, MOI', SS, ID	
		ATA CCA CTA ATA CCA	gpla) I domain		Thromb, Ather,	3
5	D-4	ATA GCA GTA ATA GGA	Integrin α ₂ subunit	CN I-IV, LN, Echovirus-1	SIRS, MOF, SS, ID	'
			(CD49b, VLA-2, platelet		31K3, MOF, 33, 1D	
<u> </u>		A A T TTC CTA CAC AAC	gpIa) I domain	receptor	Thursday Ashan	 -
7	D-5	AAT TTC CTA GAG AAG TTT GTT CAG GGT CTC	Integrin α_2 subunit	CN I-IV, LN,	Thromb, Ather,	4
		GAT ATC GGC CCT ACC	(CD49b, VLA-2, platelet	Echovirus-1	SIRS, MOF, SS, ID	
		AAA ACC CAG GTC GGT	gpIa) I domain	receptor		
		CTG ATA CAA TAT GCG			,	
		AAT AAT CCA CGC TGG			,	
		TTC AAT CTA AAT ACT				
		TAT AAG ACT AAG GAA GAG ATG ATT GTT GCT				
		ACC TCC CAG ACT AGC			, ,	
		CAG TAC GGC GGT GAT			·	
. '		CTA ACA AAT ACA TTC				i
		GGA GCG ATC CAG TAT				
	1	GCG CGA AAA TAT GCG	<u>'</u>			
		TAT TCA GCG GCC TCT				
		GGA GGC CGT CGA AGT				
1		GCA ACA CTT AAA GTA ATG GTG	,			
9	D-6	TAC AAC GTC GAC ACA	Integrin α ₄ subunit	VCAM-1, FN,	Auto, Ather, SIRS,	5
′		GAA TCT GCA CTT TTA	(CD49b, VLA-4)	MAdCAM-1,	MOF, Trans, SS, ID	
		TAT CAG GGC CCG CAT	(22 3,3, 1,213 3,	TSP, invasin	Crohn's, IBD, IR	
ļ		AAT ACA CTG TTT GGC				
•		TAC AGT TGG CTC CAC TCC CAT GGA GCT CAT	. 1			
		AGA TGG CTA CTG GTA				
		GGA GCG CCA ACA GCA				
		ATG TGG TTA GCA ATG				
1	ļ ·	GCA AGC GTT ATT AAT				
		CCT GGG GCC ATC TAT				
		AGA TGC AGA ATA GGA				
1		AAA AAC CCA GGG CAG ACG TGT GAA TTG CAA		,		
1		TTG GGT TCA TTC CAC				
1		GGT GAG CCC GGC GGT				
1		AAG ACT TGT CTA GAG				
		GAA AGA GAT CAC CAA	1		· .	
1		TGG CTT GGG GTG ACC	1		1	,
11	D-7	CTC TCG AGA CAG GAT TAT GTA AAG	Integrin α ₄ subunit	VCAM-1, FN,	Auto, Ather, SIRS,	5
''	"-"	AAA TTC GGC GAA CAT	(CD49d, VLA-4)	MAdCAM-1,	MOF, Trans, SS, ID	
1		TTT GCA AGT TGT CAA	(CD490, VLA=4)	TSP, invasin	Crohn's, IBD, IR	
1		GCA GGG ATA TCC TCG				
1		TTC TAT ACG AAA GAC				
	·	TTA ATC GTA ATG GGT				
1.		GCA CCA GGA TCT TCA TAC TGG ACA GGA AGC				
1	1	TTA TTT GTA TAC ATG				
1		ATT ACC ACT AAT AAG				
1		TAT AAA		<u></u>		<u>l</u>
		1				

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
13	D-8	CAG GAT TAT GTA AAG AAA TTC GGC GAA CAT TTT GCA AGT TGT CAA GCA GGG ATA TCC TCG TTC TAT ACG AAA GAC TTA ATC GTA ATG GGT GCA CCA GGA TCT TCA TAC TGG ACA GGA AGC TTA TTT GTA TAC ATG ATT ACC ACT AAT AAG	Integrin α ₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD; IR	5
15	D-9	TAT AAA GGA CAT AGA TGG AAA AAC ATA TTT TAT ATA	Integrin α ₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1,	Auto, Ather, SIRS, MOF, Trans, SS, ID	6
17	D-10	AAG AAT GAA AAT AAA TTA CCA ACA GGA GGA GGA GGA GCA CCA CAG CAT GAA CAA ATA GGA	Integrin α_4 subunit (CD49d, VLA-4)	TSP, invasin VCAM-1, FN, MAdCAM-1,	Crohn's, IBD, IR Auto, Ather, SIRS, MOF, Trans, SS, ID	6
19	D-11	AAA AGT TAT TGG ACA GGA AGT	Integrin α_4 subunit (CD49d, VLA-4)	TSP, invasin VCAM-1, FN, MAdCAM-1, TSP, invasin	Crohn's, IBD, IR Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	6
21	D-12	ATG GGA GCA CCA GGA AGT AGT TAT TGG ACA GGA	Integrin α ₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	7
23	D-13	TAC AAT GTA GAT ACA GAA AGT GCA TTA CTC TAT CAA GGT CCA CAC AAC ACA TTG TTT GGG TAT AGT TGG CTT CAT AGT CAT GGA GCA CAC AGA TGG CTG CTA GTA GGC GCA	Integrin α₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8
25	D-14	ATA GTA ACG TGT GGC CAT AGA TGG AAA AAT ATT TTT TAT ATC AAA CAC GAA AAC AAA TTA CCA ACA GGA GGG TGT TAT GGC GTG CCC CCG GAT TTA AGA ACC GAA TTA AGT AAG AGA ATA GCC CCT GGT TAT CAG GAC TAC GTT AAA AAG TTC GGA GAG CAT TTT GCT AGT TGC CAA GCA GGT ATC AGT AGT TTC TAC ACT AAG GAT TTA ATT GTC ATG GGG GCG	Integrin α₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8
27	D-15	TAC ATG ATT ACC ACT AAC AAG TAT AAA GCG TTT TTA GGG AAG CAA AAT CAG GTG AAG CCA GGA AGT TAT TTA GGG TAT AGT GTA GGT GCC GGC CAT TTC AGA AGT CAA CAC ACG ACA GAA GTT GTC GGC GGT GCA CCA CAA CAT GAG CAG ATA GGA AAA GCT TAC ATC TTT AGT ATA GAT GAA AAA GAA TTA AAT ATA TTA CAC GAG ATG AAG GGA AAA AAA	Integrin α₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted	Targeted	Cite
#		TTA CCA TCA TAT TTC		Ligand	Pathology	#
29	D-16	TTA GGA TCA TAT TTC GGA GCA TCC GTC GGC	Integrin α_4 subunit	VCAM-1, FN,	Auto, Ather, SIRS,	8
		GCA GTC GAC TTA CAC	(CD49d, VLA-4)	MAdCAM-1,	MOF, Trans, SS, ID	
		GCT GAT GGC TTC TCA		TSP, invasin	Crohn's, IBD, IR	
1		GAC CTG CTC GTC GGT				
		GCT CCC ATG CAA TCG				
1		ACG ATA AGA GAA GAG				
		GGT AGA GTT TTT GTT	· ·			
		TAC ATC AAT TCT GGA				
1		AGC GGG GCA GTT ATG			,	
		AAC GCA ATG GAG ACA				
!		AAC TTA GTG GGA AGT	_			
		GAC AAA TAC GCA GCG			·	
		CGA TTT GGG GAA TCC				
l .		ATC GTG AAT TTG GGA				
		GAT ATT GAC AAT GAC				
		GGG TTT GAA GAC GTA				
		GCG ATT GGA GCA CCA				
		CAG GAG GAC GAT CTC	·			
·		CAG GGA GCT ATC TAT		•		
		ATC TAC AAC GGC AGA				
		GCG GAT GGT ATA TCT				
		TCA ACA TTT TCC CAA		,		
		AGA ATT GAG GGC CTA				1
· .		CAA ATA TCG AAG TCG				
		CTA TCC ATG TTT GGG				
		CAG AGT ATT TCT GGT				
		CAG ATC GAC GCG GAT				
		AAC AAT GGC TAT GTG			İ	
		GAT GTA GCA GTA GGC		·	-	
		GCG TTC AGG AGT GAT				
ŀ		CGT AGC GAT TCT GCT				
		GTT TTG TTA AGA ACG				
	,	CGT CCA GTC GTC ATA	•		·	
·		GTG GAC GCT TCA CTT				
		AGT CAT CCT GAA TCA				
		GTA AAC CGA ACA AAG			-	
		AAT GGG TGG CCG AGC				
		GTG TGT ATA GAT CTG				
1		ACA TTA TGC TTC TCG				
1		TAC AAA GGG AAG GAA				
		GTT CCT GGT TAT ATT				
		GTA TTA TTC TAC AAT			·	
		ATG AGT CTT GAT GTT				
		AAC CGC AAA GCC GAA				
		TCG CCA CCG CGG TTT	•			
		TAT TTC AGT AGC AAT			`	
1		GGT ACT AGT GAT GTA		·	•	
]		ATT ACT GGA AGC ATA	·	·		'
		CAA GTG TCT TCC AGA				-
1		GAA GCC AAC TGC CGG			·	
]		ACC CAT CAA GCC TTC				
		ATG CGC AAA GAC GTA				
1		AGG GAC ATA TTA ACC				
		CCC ATA CAG ATC GAG				
		GCC GCC TAT				

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
31	D-17	TCC TCA ATA TAT GAC	Integrin α ₅ subunit	FN, L1, invasin	Thromb, Ather,	9
3.		GAC TCC TAC CTC GGA	(CD49e, VLA-5)	,,	SIRS, ID]
		TAC AGT GTA GCG GTC	(62 196, 12.13)			i I
		GGC GAA TTT TCG GGA				
		GAC GAC ACA GAA GAT		_		l I
		TTT GTA GCT GGG GTG	•		<u> </u>]
ļ		CCC AAA GGG AAT TTG				
1		ACT TAT GGC TAC GTT ACC ATA CTA AAT GGT				
		TCT GAT ATT CGT AGT				1
		TTA TAT AAT TTC AGT		į.		
•	,	GGG GAG CAA ATG GCA				
		AGC TAT TTC GGA TAT				
		GCG GTA GCA GCG ACC	·	•		
-		GAC GTC AAC GGT GAT		•		
· ·		GGG CTG GAC GAT TTG			· ·	
		TTA CTT ATG GAC CGC	·			
		ACT CCA GAT GGA AGA				1
		CCA CAG GAA GTG GGT				
		CGT GTA TAT GTG TAC				1 1
		TTA CAG CAC CCA GCA	·			
		GGT ATA GAG CCG ACA			· .	
		CCG ACT TTG ACG CTA			*	•
		ACC GGA CAC GAC GAG				1 1
		TTC GGC CGG TTT GGC				
		AGT TCA TTA ACA CCC CTT GGA GAC TTA GAT				
		CAG GAT GGA TAC AAT	i			
	1	GAC GTT GCT ATT GGG				1 1
	1	GCA CCA TTT GGT GGC	-		· ·	l . l
		GAA ACG CAA CAA GGT	·			
1		GTA GTA TTC GTG TTT				
		CCT GGA GGC CCT GGA			•	
		GGC TTA GGC AGT AAA				1 1
		CCT TCG CAA GTT TTG CAG CCA CTA TGG GCC				
		GCT AGC CAT ACG CCC		,		
1		GAT TTC TTT GGC AGC	·			
ł		GCT CTG AGA GGG GGG			·	1 1
ł		AGG GAC CTC GAC GGT				1
į		AAC GGG TAT CCT GAT]
		CTG ATC GTT GGT AGT TTT GGA GTC GAT AAG]
	1	GCG GTG GTC TAC AGA				
		GGG CGG CCC ATA GTT				
,		TCA GCA AGT GCC AGC				
•		CTT ACG ATA TTC CCC				1
		GCC ATG TTT AAT CCT	1			
		GAG GAG AGA TCT TGC				
		TCA TTG GAA GGT AAC CCG GTC GCG TGT ATC			İ	1 1
		AAC CTC TCC TTC TGT			t	1
		TTA AAC GCA TCG GGT				1 1
	,	AAA CAT GTG GCT GAT				
		TCG ATC GGA TTT ACA				
		GTA GAA CTT CAA CTA			· .	
		GAT TGG CAG AAG CAA			1]
		AAA GGC GGA GTT AGA		. [
1		CGA GCC CTC TTC CTC				1 .
		GCA TCC AGG CAG GCG ACT TTA ACA CAA ACC				[[
		CTA CTG ATA CAG AAC] [
		GGA GCC AGA GAG GAT				1
1		TGC CGC GAA ATG AAG				1
1		ATC TAC CTG AGA AAT		·]
		GAA TCT GAG TTC CGA	·			1 1
		GAC AAG TTA TCT CCG				
L	L	ATT CAT ATT GCT	l		<u> </u>	

D-18 AGC TAC CTA GGC ATAT AGC GAG TITT GCT GAT GGC GAG TITT GCT GAT GGC GAG ATT GAT CAGC GAG ATT GAT CAGC GAG ATT GAT CAGC GAG ATT GAT CAGC GAG ATT GAT CAGA GAG TITT GTT GAT TGT AGT TAT AGA AT TICT TGC AGT GAT CAGA AGA GAC GAT TTA TAG AAT TICT TGC AGT TAT GAT AGT AT TITT GGA TAG GAC GTT AGC GAT GAT GAG CGC GAT GAT GAG GAG GAT GAG AT GAG GAG GAT GAG GAG	SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
AGT GTT GCT GTA GCC GAGT TTC AGC GGA GAT GAT ACA GAA GAT GAT ACA GAA GACTTT GTT GCA GGA GTA CCA ATA GGA GTA GCA GGA ATT GCT ACA TAT TT GAA TAC GCC GTT GGA GCA ACA GTA ATT CTC ACG GGA GCA ATG GCC GTT GGA GCA ACC CCT GAT GGA CCC CCT GAT GGT CCC GGA ATG GGT CCC ACA ACA TTA ACC CTC ACT GGC GAC TTG GGA CAC CCC ACA GAC CCC ACA CAC CCC ACA		D-18	AGC TAC CTA GGA TAT	Integrin as subunit			10
GAG TITC AGC GGA GAT GAT ACA GAAA GAC TIT GTT GCAA GAAA GAC TIT GTT GCAA GAAA GAC TIT GTT GCAA GAAA GAC ATC CIC AAC GGA TCG GAA ATT CCT CAA CAA ATC CIC AAC GGA TCG GAA ATT CCT CAAC GGA TCG GAA ATT CCT CAAC GGA TCG GAG CAA ATG GCC TCA TAT TIT GGA TAC GCC GTT GCG GCT ACG GAC GTT AAC GGT GAC GGA TITO AAC GGT TGAC GAC GTT AAC GGT TGAC GAC GTT AAC GGT TGAC GAC GTT AAC GGT TGAC GAC GTT AAC GGT TGAC GAC CCT GAT GGAC CCC CAG GAAA GTC GCA ACC CCC CAG GAA GTC GGA AGC CCC CAG GAA GTC TGAC AAC TTA ACT CTC ACT GGC GAC TGAC GAC GAT TTA ACT CCT CTT GCC GAC TGG ACC ACT TTA ACC CCT CTT GCC GAC TGG GAC CAC GAC TTG GAC GCC CCG TTT GGG GC GAC GGT AAC GAC GAC GAT GGA ATA GCC GGG ATA GCC GAC TTG GAC GCC ACC TTT GGG GC GAC GGG CAT CGC GCC CCC TTT GGG GC GAC GGG CAT CCC CCC GGT GGG CACC GGG GAC TGG GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC ATT TGGC GAC GCC TTT TGGC GAC GCC ATT TGGC GAC GCC TTT TGGC GAC GCC TTT TGGC GAC GCC TTT TGGC GCC ATC TTA GGC GAC GCC TTT TGGC GAC GCC TTT TGGC GAC GCC TTT TGGC ACC GCC TTT TGGC GAC GCC TTT TGGC GCC GCC TTT TG			AGT GTT GCT GTA GGC				
GTT GCA GGG GTG CCT AAG GGG AAT CTA ACA TAT GGG TAC GTA ACA ATC CCT CAAC GGA TEG GAT ATT GCT TACT TTA TAC AAT TTC TCC GGT GAG CAA ATTG CCT CAC GTT ACG GTA CCC GT GAG CAA ATTG CCT CCC GT GAG CAA ATTG CCT CAC GTT ACG GGT GAC CC GTT ACT GGT TAC GGT TAC GGT TAC GGT TAC GT TAC				,		•	
AAG GGG AAT CTA ACA			l .				
TAT GGG TAC GTA ACA ATC CTC AAC GGA TGG GAT ATT CTC AGT TTA TAC AAT TTC TCC GGT GAG CAA ATG GCC TCA TAT TTT GGA TAC GCC GTT GCG GCT AGC GAC GTG AGC GAC ACC CCC GAT GGA AGC CCC GCT GAT GGA AGC GTC TAC GTC TAC TTG CAA CAT CCC GCC GCC ATA GAA CCC ACC CAG GAA GTC GGA AGC GTC TAC GTC TAC TTG GGC AAC TCC GCC GCC ATA GAA CCC ACC ACT TTA ACT CTC ACT GGG CAT GGA CAC GCC ATT GGA CCAC GCG ATT GGA CCAC GCG TTT GGC GCC CCG TTT GGC GCC CCC TCC GCC CCC GCC TCC GCC CCC TCC TCC TCC TCC CCC TCC TCC TCC GCC CCC TCC TCC TCC TCC CCC TCC TCC TCC CCC CCC TCC T			l .				
ATC CTC AAC GGA TCG GAT ATT CGT AGT TTA TAC AAT TTC TCC GGT GAG CAA ATG GGC TCA TAT TTT GGA TAC GCC GTT GCG GCT ACG GAC GTT AAC GGT GAC GGAC GTT AAC GGT GAC GGAC GTT AAC GGT CTC TCT GTT GGA GAC GCAC CCT GAT GGT AGA CCC CAG GAA GTC GCA AGAC GTC TAC GTC TAC TTG CAA CAT CCC GCC GGC ATA GAA CCA ACC ACT TTA ACT CTC ACT GGG CAT GGG AAA TTT GGT AGA TTT GGT TCC TCT TTA ACC CTC TTT GGC GAC TGC GAC ACT TTTA ACC TCT TCC TCT TTT ACC CCT CTT GGC GAT TGG AAT GAT GTG GAC AGAC ACT TTT AGC GCC CCC TTT AGC GCC CCC TTT TG GG CGAC ACT TTT AGC ACC TCT GGC CAA GTT TTA CAC CCC TTT TG GG CCAC ACT TTT GGG CAC ACT TTT AGC ACC ACC ACT TTT AGC ACC CCA ACT TTT AGC ACC CCA ACT TTT AGC ACC CCA ACT TTT AGC ACC ACC CCA TTT TG GG CACC CCC TTT AGC GCC CCC TTT AGC GCC CCC TTT TC GG CACC AGC CAC ACC ACC AGC TCC AGC GGC AGT CAC ACC CCA GAT TTT TTT CGC ACC GCC AGT CCC GAT CCC AGC AGC ACC AGC ACC CCC GAT TTT TTT CGC AGC GGC AGC AGC ACC CCC AGC TCC AGC AGC AGC ACC AGC AGC ACC AGC AGC ACC AGC AGC ACC AGC							`
GAT ATT CGT AGT TTA TACA ATT TIC TCC GGT GAG CAA ATG GCC TCA TAT TITI GGA TAC GCC GTT GCG GCT ACG GAC GTT AAC GGT GAC GGA GTT AAC GGT GAC GGA TTA GAC GAT CCC CTG CTG ATG GAA CCC CCTG ATG GAA CCC CCTG ATG GAA CCC CCTG ATG GAT CGCA GTC TAC GGA ACC CCTG ATG GAT CGCA GTC ACC GGC ACC CCC CAC GGC ACC CCC CAC GGC ACC CCC CAC GGC ACC CCC CAC GGC ACC CCC CCC GGC ACC CCC CCC ACC CCC GGC ACC CCC CCC ACC CCC CCC ACC CCC CCC ACC CCC C							
GAG CAA ATG GCC TCA TATTIT GGA TAC GCC GTT GCG GCT ACG GAC GTT ACC GGAC GTT ACC GGAC GTT ACC GGAC GTT ACC GGAC GTT ACC GGA CCC CTG ATG GGA CCT CCTG CTG ATG GGA CCC CCT GAT GGA CCC CCT GAT GGA CCC CCT GAT GGA CCC CCT GAT GGA CCC CCT GAT GGA CCC CAC GAA GCC CCT GAT GGA CCC CAC GAA GCC ATA GAC TCCC GCC GCC ATA GAC TCCC GCC GCC ATA GAC TCCC GCC GCC ATA GAC TCCC GCC GCC ATA GAC TCCC GCC GCC ATA GAC TCCC GCC GCC ATA GAC TCCC GCC GCC CCT GTT GGG GCA TGTC GGC GAC TGAC CCC GGG CAT GAC GAC GTC TAC GCC GCC GCC CTTT GGG GGC GCG GCC GCT GTG GGC GCC AGT CAC GCC GCC AGT CAC ACC GCC AGT CAC GCC GCC AGT CAC ACC GCC AGT CAC GCC GCC AGT CAC ACC GCC AGT CAC ACC GCC AGT CAC ACC GCC AGT CAC GCC GCC AGT CAC ACC GCC AGT CAC ACC GCC AGT CAC ACC AGT CAC GCC AGT CAC ACC AGT CAC GCC AGT CAC ACC AG			GAT ATT CGT AGT TTA				
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GGT GGA CCG GGT GGG CTA GGG TCT AAA CCA TCA CAA GTT TTA CAG CCA TTA TGG GCA GCG AGT CAC ACG CCA GAT TTT TTC GGC AGT GCA CTC AGG GGT GGA CGG GAC TTG GAC GGC AAC GGC TAT CCG GAT CTG ATA GTA GGA GCG GGT GTA GAT CAA GCA GTA GTC TAT CGC GGG 35 D-19 GCA CAT GG TCG AGC AGA AAA GAA CCC TTA CAGC GCT CCT CTC TAC AGC TGC AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GCG CCA TGT AGA TCT GAT CCG GGC TCT GAT GCC GGC GGC GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GGC TCC CAA GGC GGC TTC AGT GCC AGA TAC CGC AAC TTT ACA AGA ATC TTA TTA CG ACC GAC AGA TTT ACC CAA GGC GGC TTC AGT GCC GGC TCC CAA GGC GGC TTC AGT GCC AGA GAC GGA AGA GTA GCC GAA TTT ACT AAG ACC GAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCC CAA GAG CAG ATA GCC GAA AAC CTG ATA AAT				-		•	
CTA GGG TCT AAA CCA TCA CAA GTT TTA CAG CCA TTA TGG GCA GCG AGT CAC ACG CCA GAT TTT TTC GGC AGT GCA CTC AGG GGT GGA CGG GAC TTG GAC GGC AAC GGC TAT CCG GAT CTG ATA GTA GGG TCG TC GGT AGT CAT CGG GG 35 D-19 GCA CAT GGT TCG AGC ATC TTA CGC GGG AGA ACC GTA GTC TCA AGC ATC TTA TCG AGC ATC TTA CAC TGC AGC AGC TCT TCA CCT TC TCC TCC TCC TCC CCT CTC TAC AGC TGC AGA ACC GAA AAA GAA CCC TTA TCT GAT CCC GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GAC TCA TTA GG GCA CCA GC AGA TCC TCA AGC AGA TCC TCA TCC AGT AGA TCC GAT TTC AGT TGG GCA GCG GGT CAA GGG TTT GAT TCC AGC AGA GGC GGC CAA TTT ACT AAG ACC GAA ATT CTA TCC GCT AGA TCC GAC AGA GTA TAC ATT CTA TCC GCT ACA ACC CTA TAC CT ACA ACC CTA TAC CT ATT TCC ACA ACC CTA TCC ACA							
TCA CAA GTT TTA CAG CCA TTA TGG GCA GCG AGT CAC ACG CCA GAT TTT TTC GGC AGT GCA CTC AGG GGT GGA CGG GAC TTG GAC GGC AAC GGC TAT CCG GAT CTG ATA GTA GGG TCG ATA GTA GGT TCG AGC ATA GTA GGT TCG AGC ATC TTA GCA TGC TCC CCT CTC TAC AGC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GT CGG ACC TTT TTA TCA GCA TGC GT CGG ACC TTT TTA CA AGA ATC TTA GAG TAC GCG CAC TTT ACA AGA TTT AGA TCT GAT TTC AGT TGG GCA CAT GCC GGC TTC AGT TTC AGT TTG GCA GCG GGT AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TTC AGA TCT GAT TCC GGC TCC GAA TTT ACT AGA GCC GGC TTC AGT GCC AGA TAT TCC ACC AGA GGC CAA TTT TA TCC GCT ACA CAA GAG CGA ATA GCC GAG AGT TAT TAT CCA GAA TAC CTT ATT ACC GAA TAC CTG ATA AAT					,		
CCA TTA TGG GCA GCG AGT CAC ACG CCA GAT TTT TTC GGC AGT GCA CTC AGG GGT GGA CGG GAC TTG GAC GGC GAC TTG GAC GGC GAC TTG GAC GGC GAC TTG GAC GGC GAC TTG GAC GGC GAC TTG GAC GGC GAC TTG GAC GGC GAT GCT GAT CCG GGT GTA GAT AAA GCA GTA GTC TAT CGC GGG TTA CGC GGG ATC TTA GAC TGC ATC TTA GAC TGC ATC TTA GAC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT TCT GGT GCC GGC TTC AGT GCC GGC TTC AGT GCC GGC TTC TGC AGC GGC TTC AGT GCC GGC TTC TGC AGA GAC GGA ATT TCT AGC CGC AGA ATT CTA TCC CGC AGA TA GCC AGA GGC CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GGG AGT TAT TAT CCA GAG TAT TAT CCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT					,	•	
AGT CAC ACG CCA GAT TTT TTC GGC AGT GCA CTC AGG GGT GGA CGG GAC TTG GAC GGC AAC GGC TAT CCG GAT CTG ATA GTA GGG TCG TTC GGT GTA GAT AAA GCA GTA GTC TAT CGC GGG 35 D-19 GCA CAT GGT TCG AGC ATC TTA GCA TGC ATC TTA GCA TGC ATC TTA GCA TGC GTC GGC ACA ACA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GGC CAA GGG TTC AGT GCC GGC GGC CAA GGC AGA TCT GAT CCG GGC GGC TCC AGA TCT GAT TCC AGA TCT GAT TCC AGA TCT GAT TCC AGA TCT GAT TCC AGA TCT GAT TCC AGA TCT GAT TCC AGA TCT GAT TCC AGA TCT GAT TCC AGA TCT CAC AGA TCT CAC AGA TCT TACT AGA AGA CC TTT TACT AGT GCC AGA AGA GTA GTG CTT GGA AGA GGT CAC AGA TTT TCC CAC GAC AATT CTC ACC CAA GAG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAC CCA GAA TAC CTG ATA AAT							
TTT TTC GGC AGT GCA CTC AGG GGT GGA CGG GGC TTG GAC GGC AAC GGC TAT CCG GAT CTG ATA GTA GGG TCG TTC GGT GTA GAT AAA GCA GTA GTC TAT CGC GGG 35 D-19 GCA CAT GGT TCG AGC ATC TTA GCA TGC ATC TTA GCA TGC ATC TTA GCA TGC GCT CCT CTC TAC AGC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TC GGT CAT GT AGA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGC GCA TTT TGC ACC GCA ATT TACT AGC CGC AGC GGC CAA TTT ACT AGC CGC AGC GGC CAA TTT ACT AGC ACC CGC GGC CAA ATT CTA TCC CGC AGC GGC CAA ATT CTA TCC GCT ACA CAA GAG CAG GAC CAA GGC GGC CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GGA GTA TAT CCA GAA TAC CTG ATA AAT			-				
GAC TTG GAC GGC AAC GGC TAT CCG GAT CTG ATA GTA AGG TCG TTC GGT GTA GAT AAA GCA GTA GTC TAT CGC GGG 35 D-19 GCA CAT GGT TCG AGC ATC CTT AC AGC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG AGA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC TTT ACA AGA ATC TTA GAG TAC GGC CCA TGT AGA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGA CAC TTT TGC CAC GGA ATT TACT AGA GCC GAA ATT CTA TCT GAT CCC AGA GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GGA ATT ACT ACC CAA GAG CAG ATA GCA GAG ATA TAC CCG GAA TAC CTG ATA AAT							
GGC TAT CCG GAT CTG ATA GTA GGG TCG TTC GGT GTA GAT AAA GCA GTA GTC TAT CGC GGG 35 D-19 GCA CAT GGT TCG AGC ATC TTA GCA TGC GCT CCT CTC TAC AGC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAA TCT GAT CCG GGC TC GCT CCA TGT AGA TCT GAT CCC GGC TC GAT TTC AGC AGG TAT TGC CAA GGC GGC TTC AGT GCC GGA AGA ATA TTC TGC TTT TGC CAG GGC AGG TAT TCC TTT TGC CAG GGC AGG TAC TAC TTT TGC CAG GGC CAA AGG TAC TAC TTT TGC CAG GGC CAA AGG TAC TAC CAA GAG CAG ATA GCA CAA GAG CAG ATA GCA GAG ATA TCC TG ATA AAT			CTC AGG GGT GGA CGG				
ATA GTA GGG TCG TTC GGT GTA GAT AAA GCA GTA GTC TAT CGC GGG 35 D-19 GCA CAT GGT TCG AGC ATC TTA GCA TGC GCT CCT CTAC AGC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GCG CCA TGT AGA TCT GAT TCC AGC GGC GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGG AGG TAC TTG AGA GT TG CTT GGA GGT CCA GGC CAA TTT ACT AGA CCC GAA ATT CTA TCC GCT ACA GGG TAC TGC AGG GGC CAA ATT CTA TCC GCT ACA CAA GAG CAA AT GCA CAA GAG CAG ATA GCA CAA GAG CAG ATA GCA GAG ATAC CTG ATA AAT						•	
GGT GTA GAT AAA GCA GTA GTC TAT CGC GGG GCA CAT GGT TCG AGC ATC TTA GCA TGC GCT CCT CTC TAC AGC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC ATTT ACA AGA ATC TTA GAG TAC GGC CCA TGT AGA TCT GAT TCC AGC GGC GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGG CCA TTT TCA AGG ACC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AAGA GTA GTG CTT GGA GGT CCA GGG CCA AGA GTA TCC ACA CGA GAG CAG ATAC TTT TCG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG ATA TAT CCCA GAA TAC CTG ATA AAT							
GTA GTC TAT CGC GGG 35 D-19 GCA CAT GGT TCG AGC ATC TTA GCA TGC GCT CCT CTC TAC AGC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GGC CCA TGT AGA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AGA CC GGA AGA GTA GTC CTG GGC TCC AGT GCC GGC TTC AGA GCC GGC TTC AGA CCC GGC TCC AGA AGA GTA GTC CTT GG AGA GGC GGT CCA GGA TCA TAC TTT TGC CAG GGC CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG ATA CCTG ATA AAT				:			
D-19 GCA CAT GGT TCG AGC ATC TTA GCA TGC GCT CCT CTC TAC AGC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GCG CCA TGT AGA TCT GAT TCC AGT AGA TCT GAT TCC AAG GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGG CAA CTT TGG CAG GGG CAA ATT CAA AGA CC GGA AGA GTA GTG CTT AGC TTT TGG CAG GGG CAA ATT CAA AGA CC GAA ATT CAA ACC GGA AGA GAG ATA TAC TTT TGG CAG GGG CAA ATT CAA GAC GGA AGA GAG TAT TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT					i		
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CCT CTC TAC AGC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GCG CCA TGT AGA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGA TCA TAC TTT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT	. 50		ATC TTA GCA TGC GCT		· ' '		
CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GCG CCA TGT AGA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGG CAA TTT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCC GAG AGT TAT TAT CCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT						• •	
GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GCG CCA TGT AGA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGG CAA ATT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT				•			,
TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GCG CCA TGT AGA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGG CAA ATT TT GC CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT							
TTT ACA AGA ATC TTA GAG TAC GCG CCA TGT AGA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGA TCA TAC TTT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT							
GAG TAC GCG CCA TGT AGA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGA TCA TAC TTT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT					,		
TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTC CTT GGA GGT CCA GGA TCA TAC TTT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT			1 -			,	
GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGA TCA TAC TTT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT							
GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGA TCA TAC TTT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT			=			•	
TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGA TCA TAC TTT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT							
AGA GTA GTG CTT GGA GGT CCA GGA TCA TAC TTT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT	:			-			
GGT CCA GGA TCA TAC TTT TGG CAG GGG CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT				•			
ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT			GGT CCA GGA TCA TAC			•	
CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT							
GAG AGT TAT TCCA GAA TAC CTG ATA AAT				<i>.</i> `			
GAA TAC CTG ATA AAT			1 -		1		
	,			,			
TTG CAG ACT AGA CAA							
GCC TCA TCC ATT TAT			GCC TCA TCC ATT TAT				
37 D-20 GAT TTT AGT TGG GCA Integrin α ₅ subunit FN, L1, invasin Thromb, Ather,	37	D-20	l .		FN, L1, invasin		11
GCA (CD49e, VLA-5) SIRS, ID	L		GCA ·	(CD49e, VLA-5)		SIRS, ID	

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
39	D-21	GGA GTA GAC GTA GAT CAG GAT GGC GAA ACA GAG TTA ATA GGA GCA CCA TTA TTT TAT GGT GAA CAA AGA GGG	Integrin α _L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	12
41	D-22	ATA ACA GAT GGA GAA GCA ACA GAC AGT GGA CAA ATT GAT GCA GCA AAA GAC ATC ATA TAT ATT ATA GGA ATC	Integrin α _L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	12
43	D-23	ATA ACA GAT GGA GAA GCA ACA AGT GGA TGT	Integrin α _L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	13-
45	D-24	GGA GTA GAC GTA GAT CAA GAT GGA GAA ACA TGT	Integrin α _L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	15
47	D-25	TGC CCA AAT AAG GAA AAA GAG TGT	Integrin α _L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	16
49	D-26	AAA GAA TTT GTA AGT ACA	Integrin α _m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β-glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17
51	D-27	CCA ATA ACA CAA TTA TTA GGA AGA ACC CAT ACG GCA ACT GGA ATA AGA AAA	Integrin α _m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β-glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17
53	D-28	AAA TTT GGA GAC CCA TTA GGA TAT GAA GAT GTA ATA CCA GAG GCA GAT AGA	Integrin α _m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β- glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17, 18
55	D-29	GGA TGT CCA CAA GAA GAT AGT GAC ATT GCA TTC TTA ATA GAT GGA AGT GGA AGT ATA ATC CCA CAT GAC TTT	Integrin α _m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β-glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	19
57	D-30	TTT AGA AGA ATG AAA GAG TTT GTA AGT ACA GTA ATG GAA CAA TTA AAG AAA AGT AAG ACA TTA TTC AGT	Integrin α _m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β- glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
59	D-31	GGA AAT AGT TTT CCA GCA AGT TTA GTA GTA GCA GCA GAA GAG GGA GAG AGA GAA	Integrin α_{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
61	D-32	AAC GCA CAA ATC GGA ATT GCA ATG TTA GTA AGT GTA GGA AAT TTA GAG GAA GCA GGA GAA AGT GTA AGT TTT CAA TTA CAG ATA	Integrin α_{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
63	D-33	ACA TTA GGA CCA AGT CAA GAA GAG ACA GGA GGA GTA TTT TTA TGT CCA TGG AGA	Integrin α_{Ilb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
65	D-34	GCA GAA GGA GGA CAA TGT CCA AGT TTA TTA TTT GAT TTA	Integrin α_{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
67	D-35	GCC ATG GTC ACA GTA TTG GCA TTT CTT TGG CTC CCA AGT CTA TAT CAG AGA CCA CTG GAT CAA TTT GTG TTA CAA AGT CAT GCT TGG TTC AAT GTT AGT AGT TTA CCA TAC GCG GTA	Integrin α_{11b} subunit (CD41) light chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
69	D-36	GGA GCA CAT TAT ATG AGA GCA TTA AGT AAT GTA GAA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	21
71	D-37	GGA GCA CCA TTA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	22
73 ·	D-38	GGA GAT GGA AGA CAT GAC TTA TTA GTA GGA GCA CCA TTA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	22
75	D-39	ACA GAT GTA AAT GGA GAC GGA AGA CAT GAT TTA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	23
77 .	D-40	GGA GAT GGA AGA CAT GAC TTA TTA GTA GGA GCA CCA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	23
79	D-41	GGA GAC GGA AGA CAT GAT TTA TTA GTA GGA GCA CCA TTA TAT	Integrin α _{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	- 24

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted	Targeted	Cite
#		<u></u>		Ligand	Pathology	#
81	D-42	GAA TTT GAC GGT GAT	Integrin a _{IIb} subunit	Fb, FN, VN,	Thromb, Ather,	25
1		CTT AAT ACG ACT GAG	(CD41)	TSP, vWF	SIRS, MOF, IR, ID	
1		TAC GTC GTC GGA GCA		1		
		CCA ACT TGG TCG TGG			1	[
		ACA TTA GGC GCA GTC				<u> </u>
		GAG ATA CTC GAC AGT			•	
		TAT TAT CAG AGG TTA			1.	
		CAT AGA TTA CGT GCA				
		GAA CAG ATG GCG TCC]			ŀ
		TAC TTT GGT CAC AGC				
		GTA GCG GTA ACG GAT				
	•	GTG AAC GGA GAC GGC				
1		CGC CAT GAC TTG CTA		*		
1		GTT GGA GCT CCG CTC				
1 1		TAC ATG GAG AGT CGA				
		GCA GAT CGC AAG CTT	,			
		GCT GAA GTG GGC CGA		İ		
		GTA TAT CTT TTC CTT				
		CAA CCA CGG GGT CCC				
		CAC GCC CTA GGC GCT				
		CCT AGT TTA TTG TTA				
		ACC GGA ACA CAG TTG				
		TAT GGT AGA TTC GGA	·		*	
		TCT GCA ATA GCG CCA			· ·	
,		CTC GGG GAT TTG GAT				1
		AGA GAT GGC TAT AAC				
		GAT ATA GCT GTG GCC GCC CCT TAC GGA GGA				
		CCC TCC GGC AGA GGG				
		CAG GTT CTG GTT TTC		•		
		CTA GGG CAA AGT GAA				
		GGG TTA AGG TCA AGA		•		
		CCG TCT CAA GTC TTA			-	
		GAC TCG CCA TTT CCA				
		ACC GGA AGT GCG TTT				
1		GGG TTC AGT CTC CGT				1
		GGT GCA GTG GAC ATC				
·		GAT GAC AAT GGT TAC			·	
		CCG GAT CTA ATT GTT				1
		GGA GCC TAC GGG GCC				
		AAT CAA GTA GCA GTA				
		TAT CGG GCG CAG CCC				
		GTA GTT AAA GCT TCA				
		GTC CAA CTG CTG GTG	l ⁻		·	
		CAA GAC AGC CTG AAC				
1 [CCT GCA				
83	D-43	GCA GTA ACA GAT GTA	Integrin a _{IIb} subunit	Fb, FN, VN,	Thromb, Ather,	26
		AAT GGA GAC GGA AGA	(CD41)	TSP, vWF	SIRS, MOF, IR, ID	
		CAT GAT TTA TTA GTA	()		, ,,	
		GGA GCA CCA TTA TAT				

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
85	D-44	TTT TCC TCA GTC GTG	Integrin a _{IIb} subunit	Fb, FN, VN,	Thromb, Ather,	27
		ACA CAA GCT GGC GAG	(CD41)	TSP, vWF	SIRS, MOF, IR, ID	
1		TTA GTA TTG GGG GCT CCC GGA GGC TAC TAC				
1		TTC CTG GGG CTA CTC				
		GCA CAG GCA CCC GTG				
ŀ		GCG GAC ATA TTC TCG				
		TCT TAT AGA CCT GGG	· ·			
		ATT TTG TTG TGG CAC				
		GTC TCC TCT CAG TCT				
1		TTA AGT TTC GAT AGT AGC AAT CCA GAA TAT	·			
		TTT GAC GGA TAC TGG		,		
		GGG TAT TCT GTG GCA				l l
		GTC GGT GAG TTC GAT				l l
		GGT GAT CTG AAT ACT				
		ACA GAA TAT GTG GTA				
-		GGG GCT CCT ACA TGG AGT TGG ACT TTA GGC				<u>'</u>
		GCG GTC GAG ATA TTA	· ·			i
1		GAT AGC TAC TAC CAA				
		CGC TTA CAC AGA TTG				
<u> </u> .		CGT GCT GAA CAA ATG				
i		GCC TCC TAC TTT GGT	·			
		CAT TCA GTC GCC GTT			,	
		ACC GAT GTG AAT GGT GAT GGA CGG CAT GAC	i i	•	,	٠.
i .		CTC CTA GTT GGA GCT	<u> </u>			
1		CCA CTT TAC ATG GAG				
		AGC AGA GCG GAC CGA	·			
ŀ		AAG TTA GCT GAA GTA				i
		GGA AGA GTT TAT TTG				
		TTC CTA CAA CCG AGG	,	,		
•		GGC CCG CAT GCG CTT GGC GCA CCT TCC TTA				
		CTT CTG ACC GGT ACG		·		
		CAA CTT TAC GGG CGA				
		TTT GGG TCG GCC ATT				
ļ		GCG CCA CTG GGG GAC				
		CTT GAT CGC GAC GGA				
		TAT AAC GAC ATC GCA GTT GCC GCG CCT TAT			'	·
		GGA GGC CCA TCG GGT				
		CGG GGA CAG GTT CTA				
		GTG TTC CTC GGT CAA	· ·			
		AGT GAA GGC CTC CGT				
		AGT AGA CCG AGC CAG				
		GTA CTG GAC AGT CCG TTT CCC ACG GGC TCG				
		GCT TTT GGT TTT TCA				
		TTA AGA GGT GCG GTA		•		
		GAC ATC GAT GAT AAC				`
	-	GGA TAC CCC GAT CTC	<u>'</u>			
		ATA GTA GGG GCC TAT		•		
		GGC GCC AAC CAG GTC GCA GTT TAT AGG GCC	· ·			
		CAG CCA GTA GTG AAA			•	
		GCA TCA GTC CAA TTA			*	
		CTA GTT CAG GAC				· J
87	D-45	GTA GAA AAT GAT TTT AGT TGG	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
NA	D-46	GAA TAT	Integrin α _{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
89	D-47	GGA GAA TTA GTA TTA	Integrin α_{Ilb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
91	D-48	GAT TTA TAT TAT TTA	All integrin β subunits	FN, Fb, CN I,	All named	29
		ATG GAC TTA AGT TAC	,	VN	pathologies	ļ
		AGT ATG AAA	l	L	L	<u> </u>

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
NA	D-49	D\$\$\$\$\$DXSXS\$KDDL; \$, any hydrophobic residue; X, any residue	All integrin β subunits	All named ligands	All named pathologies	29
93	D-50	TAC TGC CGA AAA GAA AAC TCA TCG GAA ATA TGT AGT AAC AAT GGG GAG TGC GTC TGC GGC CAA TGT GTA TGC CGG AAA CGT GAC AAC ACA AAC GAA ATC TAT AGT GGA AAG TTT TGT GAG TGT GAT AAT TTC AAC TGT GAT CGC AGC AAT GGC TTA ATA TGC GGT GGC AAT GGA GTT TGC AAG TGT AGG GTG TGT GAA TGC AAT CCA AAT TAT ACA GGG AGT GCA TGC GAT TGC TCT TTA GAC ACT AGT ACG TGC GAG GCA TCC AAC GGG CAG ATA TGT AAT GGA AGA GGT ATT TGT GAG TGT GGG GTG TGT GAG GCA TCC AAC GGG CAG ATA TGT AAT GGA AGA GGT ATT TGT GAG TGT GGT GTA TGC AAA TGT GGT GTA TGC AAA	Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	30
95	D-51		Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	31

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
97	D-52	TTG CGA TTA CGC TCG GGC GAA CCC CAG ACA TTT ACG CTT AAG TTC AAA CGG GCT GAG GAT TAT CCT ATC GAC CTT TAC TAT CTT ATG GAT CTC TCA TAT AGT ATG	Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	32
		AAA GAT GAT CTG GAG AAT GTT AAG TCC TTA GGG ACC GAT TTA ATG AAC GAG ATG AGA AGA ATC ACT TCA GAC TTC AGA ATT GGA TTT GGC TCT TTT GTC GAA AAA ACC GTA ATG CCA TAC ATA AGC ACA ACC CCA GCA AAG CTG AGG AAT CCG TGT ACA TCG GAG CAA AAC TGC ACT ACT				
		CCC TTC AGT TAT AAG AAT GTT CTC AGT CTG ACG AAC AAA GGG GAA GTA TTT AAC GAG CTA GTG GGA AAA CAG AGA ATT AGC GGT AAC CTC GAC TCT.CCA GAA GGT GGT TTT GAT GCA ATT ATG CAA GTT GCA GTG TGT GGA TCT CTA ATA GGG TGG CGT AAT GTA				
		ACT AGA CTA TTG GTG TTT TCC ACC GAC GCC GGC TTC CAC TTC GCT GGA GAC GGC AAG CTA GGG GGA ATC GTA TTG CCT AAC GAT GGT CAG TGC CAT TTG GAA AAT AAT ATG TAT ACG ATG TCG CAC TAC TAC GAC TAC CCA TCC ATA GCC CAT TTA GTC CAA AAG		:		
		CTG AGC GAA AAC AAT ATT CAA ACA ATA TTT GCG GTA ACG GAA GAG TTC CAG CCA GTC TAT AAG GAG CTT AAA AAT CTC ATC CCG AAA TCA GCG				
99	D-53	AAC AAG GGA GAA GTA TTT AAT GAG TTA GTA GGA AAA	Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	33
101	D-54	ACA GCA GAA AAA TTA	Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	34
103	D-55	GAT TAC CCA ATA GAC TTA TAC TAT TTA ATG GAC TTA AGT TAT AGT ATG AAG GAT GAT TTA GAA GTA AAA AGT TTA GGA	Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	35
105	D-56	AAT GTA AAG AGT TTA GGA ACA GCA TTA ATG AGA GAG ATG GAA AAA ATA ACA AGT GAT TTT	Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	36

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted	Targeted	Cite
#		·		Ligand	Pathology	#
107	D-57	GGA CAA AAA CAG TTA	Integrin β ₂ subunit	ICAM-1,	Thromb, Auto, SS,	37
	1	AGT CCG CAG AAG GTC	(CD18)	ICAM-2,	Ather, SIRS, MOF,	
	!	ACT CTA TAC TTG CGT		ICAM-3,	Trans, Crohn's,	
	j	CCC GGG CAA GCA GCC		ICAM-4, LPS,	IBD, bact,	
	1	GCG TTC AAC GTA ACG		iC3b, Fb,	hookworm, IR, ID	
		TTT CGT CGC GCA AAA		Factor X,	l nookworm, ne, ne	
	ļ	GGA TAC CCA ATA GAC				ľ
		CTT TAT TAT TTA ATG		CD23, NIF,		
	1	GAT TTA TCC TAC TCA		heparin, β-		
		ATG CTC GAT GAT TTA		glucan,		
		AGA AAC GTT AAG AAG				
		TTA GGC GGG GAT CTG				
		CTC AGA GCT CTC AAT				
		GAG ATA ACT GAA AGT		İ		
		GGT CGG ATA GGT TTC				
		GGT TCG TTC GTT GAT			i	
		AAG ACG GTG CTG CCC		}		
		TTT GTA AAT ACA CAC				
	ŀ	CCA GAC AAA CTG AGG				
		AAC CCC TGC CCA AAT	•			
		AAG GAG AAA GAA TGC				
		CAG CCG CCT TTC GCT	,			
1		TTT CGC CAT GTC CTA		:		1
i		AAA TTA ACA AAT AAT				
		AGC AAT CAA TTT CAG			•	
,		ACC GAG GTA GGA AAA				i
Į.		CAA CTT ATT AGT GGA		ĺ		
		AAC TTA GAC GCC CCA				
		GAG GGC GGC TTA GAC				
		GCA ATG ATG CAA GTA				
		GCA GCC TGT CCG GAG	•			
		GAA ATT GGT TGG CGG		,		
		AAT GTC ACC AGG TTG	•			
		TTG GTA TTT GCC ACT				
		GAC GAT GGA TTC CAT				
		TTT GCT GGA GAT GGC				
	1	AAG CTA GGG GCG ATT			İ	
1		CTT ACC CCT AAC GAC				
		GGG CGA TGT CAC CTC				
	ļ	GAA GAC AAC CTA TAT	•		`	·
		AAG AGA AGT AAT GAA				
	[TTC GAT TAT CCA TCT				
		GTG GGA CAA CTG GCG			, i	
		CAT AAG TTG GCT GAG				1 I
		AAC AAC ATA CAG CCA				
		ATC TTT GCA GTT ACA				j
		AGT CGA ATG GTG AAA				
		ACA TAC GAA AAA CTT				
		ACG GAA ATC ATC CCT				
1		AAA AGT GCG				LJ

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
109	D-58	TAC CCA ATA GAT CTC	Integrin β ₂ subunit	ICAM-1,	Thromb, Auto, SS,	38
1		TAC TAC CTG ATG GAT	(CD18)	ICAM-2,	Ather, SIRS, MOF,	
		CTA TCC TAT TCA ATG		ICAM-3,	Trans, Crohn's,	
		CTG GAC GAT CTA CGT AAC GTT AAG AAA CTT		ICAM-4, LPS,	IBD, bact,	
		GGA GGT GAT TTA CTA		iC3b, Fb,	hookworm, IR, ID	1 1
		AGA GCT CTT AAC GAA		Factor X,		
		ATC ACG GAG AGT GGG		CD23, NIF,		
		CGA ATC GGC TTC GGC		heparin, β-		
1		TCA TTC GTC GAC AAG		glucan,		
1		ACA GTA TTG CCC TTC				
		GTA AAC ACG CAC CCA				
		GAC AAG CTT AGA AAC CCC TGC CCA AAT AAA			l • .	
		GAG AAA GAG TGT CAA				
		CCC CCG TTT GCC TTT				
		AGA CAT GTC TTA AAG				l
		CTC ACG AAT AAC AGC				
		AAT CAG TTT CAG ACA				l !
		GAA GTT GGA AAA CAA				
		CTG ATA TCG GGT AAT				
		CTA GAC GCA CCA GAG GGG GGA CTT GAT GCC	•		1	
·		ATG ATG CAG GTG GCA				
-		GCC TGC CCG GAG GAA				
		ATT GGG TGG AGG AAT				
i		GTC ACA AGA CTG CTA			·	
		GTT TTC GCA ACT GAT				
		GAC GGG TTT CAT TTT	•			
		GCT GGA GAT GGT AAA		*		
		CTG GGC GCA ATT TTG ACT CCT AAC GAT GGA				
i l		CGG TGT CAT TTG GAA				
1		GAC AAC CTC TAT AAA				1
		AGA AGC AAT GAA TTC	·			
		GAC TAT CCT AGT GTA				ļ. į
		GGT CAA TTA GCG CAC			•	
	`	AAG TTA GCA GAA AAC				
		AAT ATA CAA CCG ATA				
1		TTT GCG GTT ACC AGT				
		CGC ATG GTG AAA ACA TAC GAA AAG TTA ACC			'	
		GAG ATA ATT CCA AAA				
		TCT GCT GTG GGC GAG			·	
		CTC TCC GAA GAT AGT				1
ļ. !		AGT AAT GTC GTA CAC				
ļ .		TTG ATC AAG AAT GCA				
		TAT AAC AAA TTA TCT			· .	
		AGT AGA GTA TTT TTG			` .	
		GAC CAT AAT GCG CTT CCT GAT ACT CTC AAG				
4 1	,	GTG ACC TAT GAC TCG				
] .]		TTC				
111	D-59	AGA AAT GTA AAA AAG	Integrin β ₂ subunit	ICAM-1,	Thromb, Auto, SS,	39
			(CD18)	ICAM-2,	Ather, SIRS, MOF,	
1				ICAM-3,	Trans, Crohn's,	.
· [ICAM-4, LPS,	IBD, bact,	
]				iC3b, Fb,	hookworm, IR, ID	
				Factor X,		
]				CD23, NIF,		
				heparin, β-		
	İ	•		glucan,		
		·		0		

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted	Targeted	Cite
# :	D 60	CAA CCA CCA TTT GCA		Ligand	Pathology	#
113	D-60	CAA CCA CCA TTT GCA	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's,	39
			·	ICAM-4, LPS, iC3b, Fb, Factor X,	IBD, bact, hookworm, IR, ID	
				CD23, NIF, heparin, β- glucan,		
115	D-61	TTA ATA AGT GGA AAT TTA	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
117	D-62	GGA CAA TTA GCA CAT	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
	·			CD23, NIF, heparin, β- glucan,		·
119	D-63	GAG CTC TCA GAA GAT TCT AGT AAT GTC GTC CAT TTA ATC AAA AAC GCC TAT AAC AAA CTA AGT TCG AGA GTT TTC TTA GAC CAC AAT GCA CTG CCA GAT ACG TTG AAG GTA ACA TAC GAC AGC TTT TGC TCC AAT GGG GTG ACC CAT AGA AAC CAG CCA AGA GGC GAT TGT GAC GGA GTA CAA ATA AAT GTA CCA ATA ACA TTC CAG GTT AAG GTG ACA GCT ACT GAG TGT ACA GCT ACT GAG TGT ATA CAA GAA CAA AGT TTT GTA ATT AGA GCG CTT GGT	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	40
121	D-64	GGT TTC ACC GAC ATT GTA ACA GTA CAG GTA TTA CCA CAA TGC GAA TGC AGA TGT AGA GAT CAA AGT AGA GAC AGA AGT TTA TGC CAT GGA AAG GGC TTT TTA GAA TGT GGA ATC TGT AGA TGC GAT ACG GGA TAT ATA GGA AAA AAT TGT GAG TGT CAG ACT CAA GGG	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	40

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
123	D-65	TGT AAT GCA TTT AAG ATA TTA GTA GTA ATA ACA GAT GGA GAA AAA	Integrin β ₂ subunit (CD18) A domain	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	41
125	D-66	ACA GGA ATA AGA AAG GTA GTA AGA GAA TTA TTT AAT ATA ACA AAC GGA GCA AGA AAA AAT	Integrin β ₂ subunit (CD18) A domain	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	41
127	D-67	GAT TTA AGT TAT AGT CTC GAC GAT CTG AGA AAT GTA AAG AAA CTT GGA GGA GAC CTA TTA AGA GCA TTG AAC GAA	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	42, 43
129	D-68	GAC TAT CCC GTA GAC ATA TAC TAC CTT ATG GAT TTA AGT TAC TCC ATG AAG GAC GAT CTC TGG TCA ATT CAG AAC TTG GGA ACA AAA CTA GCA ACA CAA ATG AGA AAG CTG ACA TCG AAT TTA AGA ATA GGA TTT GGA GCA TTC GTA GAT AAA CCA GTA AGC CCT TAT ATG TAT ATC TCT CCA CCG GAA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	44
131	D-69	GAC GCA CCA GAA GGA GGA TTT GAT GCA ATA ATG CAA GCA ACA GTA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	45

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
133	D-70	TTT TCC ATA CAG GTT CGA CAG GTA GAG GAT TAT CCA GTA GAC ATC TAT TAC TTA ATG GAC TTA AGC TAT AGT ATG AAG GAC GAT CTC TGG AGT ATA CAA AAT TTA GGT ACC AAG TTG GCC ACC CAA ATG CGT AAA TTA ACT TCA AAT TTA CGG ATA GGA TTC GGG GCA TTT GTG GAT AAA CCC GTA TCG CCG TAC ATG TAT ATT AGT CCA CCT GAG GCG CTT GAA AAC CCC TGC TAC GAC ATG AAA ACA ACG TGT CTG CCT ATG TTT GGC TAC AAG CAT GTC CTA ACA TTA ACG GAT CAA GTC ACT AGG TTC AAC GAG GAA GTT AAA AAG CAG GAT GTC CTC GAG GAA GTT AAA AAG CAG AGT GTC TCC CAAT AGA GAT GCT CCC AAT AGA GAT GCT CCC GAAT AGA GAT GCT CCC GAAT AGA GAT GCT CCC	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	46
135	D-71	GGA GTA AGT AGT TGC CAG CAA TGT TTA GCA GTA AGT CCA ATG TGT GCA TGG TGC AGT GAT GAA GCA TTA CCA TTA GGA AGT CCA AGA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
137	D-72	GTA TTA GAA GAC AGA CCA TTA AGT GAT AAA GGA AGT GGA GAT AGT AGT CAA GTA ACA CAG GTA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
139	D-73	AAC ATC AAT TTA ATA TTT GCA GTC ACA GAA AAC GTA GTG AAT CTT TAC CAG AAC TAT AGT GAG CTA ATA CCA GGA ACA ACA GTA GGA GTT CTC AGT ATG GAT AGT AGT AAT GTA CTG CAA TTG ATT GTA GAC GCA TAT GGA AAA ATA AGA AGT	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
141	D-74	ATA GGA TTT GGA GCA TTC GTA GAC AAA CCA GTA AGT CCT TAC ATG TAT ATA AGT CCA CCC GAA GCA TTA GAG AAT CCA TGC TAC GAT ATG AAG ACA ACA TGT TTA CCG ATG TTT GGA TAT AAA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
143	D-75	AGT GTA AGT AGA AAT AGA GAT GCA CCA GAA GGA GGA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS; Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	47
145	D-76	AGT GTA AGT AGA AAT AGA GAT GCA CCA GAA GGA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gplIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	48

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
147	D-77	AGA AAT AGA GAT GCA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	48
149	D-78	GAT GCA CCA GAA GGA GGA TTT GAC GCA ATA ATG CAA GCA ACA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	49
151	D-79	GAT GCA CCA GAA GGA GGA TTT GAC GCA ATA ATG CAA GCA ACA GTA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	49
153	D-80	GAT GCG CCA GAA GGT GGG TTT GAC GCG ATC ATG CAA GCT ACA GTG TGC GAC GAA AAA ATA GGC TGG AGA AAC GAT GCA AGT CAC CTC CTT GTC TTC ACA ACC GAT GCA AAA ACA CAT ATT GCC CTG GAC GGG AGA TTG GCC GGC ATA GTT CAA CCA AAT GAT GGT CAG TGT CAT GTA GGA TCA GAC AAT CAC TAT TCT GCT AGC ACT ACC ATG GAT TAC CCA TCC TTA GGA TTA ATG ACA GAG AAG CTA TCG CAG AAG	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1, viper and rattlesnake venom components: albolabrin, bitistatin, echistatin, eristostatin	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID, viper and rattlesnake bites	50
155	D-81	ATG GAC TTA AGT TAT AGT ATG AAA GAT GAT TTA TGG AGT ATA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	51
157	D-82	GGA CCA AAT ATA TGT ACA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	52
159	D-83	GGA CCA AAT ATA TGT ACA ACA AGA GGA GTAAGT AGT TGC	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	52
161	D-84	AAA GAT TCT TTA ATA GTA CAG GTA ACA TTT GAC TGT GAC TGT GCA TGT CAG GCA CAA GCA GAA CCC AAC TCG CAT AGA TGC AAC AAT GGA AAT GGC ACA TTC GAA TGC GGA GTA TGC AGA TGC GGA CCG GGT TGG TTA GGG AGT CAG TGT GAA TGC TCA GAG GAA GAT TAT AGA CCT TCC CAA CAA GAT GAG TGT AGC CCA AGA GAG	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	53

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
163	D-85	CCT ACT TGC CCG GAT GCT TGC ACT TITT AAA AAA GAA TGT GTA GAA TGC AAA AAA TTT GAC CGT GAG CCC TAT ATG ACA GAA AAT ACT TGC AAC AGG TAT TGT AGA GAT GAA ATA GAG AGC GTT AAA GAG TTA AAA GAT ACA GGT AAA GAT GCA GTT AAC TGT ACA TAT AAA AAT GAG GAC GAT TGT GTG GTA CGA TTC CAA TAT TAT GAA GAC AGT TCA GGA AAA TCT ATA TTG TAT GTA GTG GAA GAG CCA GAA TGT CCA AAA GGG	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	54
165	D-86	AAA GAT GAC TTA TGG	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	55
167	D-87	AGT GTA AGT AGA AAT AGA GAT GCA CCA GAA GGA GGA TTT	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	24
169	D-88	CAC GTG GGG AGT GAC AAC CAT TAT TCC GCA TCT ACA ACT ATG GAC TAT CCA AGT CTG GGC TTA ATG ACA GAG AAG ATT AGC CAA AAG AAT TTA AAC TTG ATC TTT GCA GTT ACA GAG AAC GTA GTC AAT CTT TAC CAG AAT TAC AGT GAG CTA ATT CCA GGA ACG ACC GTA GGA GTA TTG TCG ATG GAT AGT TCA AAT GTC CTC CAA CTA ATA GTG GAT GCA TAT GGT AAA ATA AGA AGT AAA GTT GAA TTA GAA GTA AGA GAT CTC CCA GAA GAA CTT AGT CTG	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	56

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
171	D-89	GAC GAT AGT AAA AAT TTC AGT ATT CAA GTA CGA CAA GTA GAA GAC TAT CCC GTT GAC ATC TAC TAT CTA ATG GAT TTA AGT TAC AGT ATG AAA GAT GAT TTA TGG AGT ATA CAG AAT TTG GGG ACC AAG CTT GCA ACC CAA ATG AGA AAG CTG ACA TCG AAC TTA AGG ATT GGA TTT GGA GCA TTC GTT GAT AAG CCT GTG TCA CCG TAT ATG TAC ATC TCT CCC CCA GAG GCT TTA GAA AAT CCG TGT TAC GAC ATG AAA ACG ACA TGT TTA CCT ATG TTT GGT TAT AAA CAT GTA TTA ACG CTC ACT GAC CAG GTA ACA CTT GAC CAG GTA ACA CTT TTA ACC	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	57
		GAA GAG GTC AAG AAA CAG AGC GTG TCC CGG AAC CGC GAT GCG CCA GAG GGC GGA TTC GAC GCC ATA ATG CAA GCA ACT GTC TGC GAT				
173	D-90	TAT ATG TAC ATA AGT CCC CCG GAA GCA TTA GAG AAT CCT TGT TAC GAT ATG AAA ACT ACC TGC TTA CCA ATG TTT GGA TAT AAG CAT GTA TTA ACA TTA ACG GAC CAA GTA ACA AGA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	57
175	D-91	AGA AAT AGA GAT GCA TAT	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	58
177	D-92	GAC GCA CCA GAA GGA GGA TTT GAT GCA ATA ATG CAA GCA ACA GTA TAT	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	58
179	D-93	TGC TAT GAT ATG AAA ACA ACA TGT	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1, Coxsackievirus A9	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	31, 59
181	D-94	AAT TTT AGT ATA CAG GTA AGA CAA GTA GAA GAC TAT CCA GTA GAT ATA TAT TAC TTA ATG	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	60
183	D-95	GAT ATG AAA ACA ACA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	28

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
185	D-96	ATA AGT CCA CCA GCA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpllIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	61
187	D-97	AAA CAA AGT GTA AGT AGA AAT AGA GAT GCA CCA GAA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	62
189	D-98	GAT GAC AGT AAA AAT TTT AGT ATC CAG GTA	Integrin β ₃ subunit (CD	Fb, FN, VN,	Thromb, Auto, SS,	63
		AGA CAG GTA GAA GAT TAT CCA GTC GAC ATA TAT TAC CTC ATG GAC	61; platelet glycoprotein gpIIIa)	TSP, vWF, OP,BSP, LN, CN, L1	Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR,	
-	٠	CTG AGT TAC AGT ATG AAG GAT GAT CTC TGG			ID	
	*	TCA ATT CAA AAT CTA GGG ACT AAG CTT GCG ACG CAA ATG AGA AAA				
		TTG ACA AGC AAT TTA CGA ATT GGA TTT GGA GCA TTC GTC GAT AAG				
		CCT GTT AGT CCT TAC ATG TAC ATC TCA CCC CCT GAA GCC TTA GAG				
.		AAC CCC TGC TAT GAC ATG AAA ACC ACA TGT				
		TTA CCG ATG TTT GGT TAT AAA CAT GTG CTC				
		ACG CTT ACG GAC CAA GTG ACT CGG TTC AAT GAG GAA GTA AAA AAG	,			
		CAG TCT GTC AGT AGG AAC CGT GAT GCA CCG			•	
		GAA GGA GGA TTT GAC GCG ATA ATG CAA GCC		•		
		ACA GTA TGT GAC GAG AAA ATA GGC TGG CGC AAC GAT GCA TCC CAT				
		TTA CTG GTG TTC ACC ACT GAT GCG AAA ACA				
		CAC ATC GCA TTG GAT GGT AGA TTG GCT GGA ATA GTA CAG CCA AAT				
		GAT GGC CAA TGC CAT GTC GGG AGC GAC AAC				
	,	CAC TAT TCG GCA AGT ACC ACG ATG GAC TAC CCC AGC TTA GGT CTA				
		ATG ACT GAG AAG TTA TCG CAG AAG AAC CTT				
		AAC CTA ATC TTC GCT GTA ACA GAA AAT GTA GTT AAT TTA TAT CAA		,		
		AAC TAC TCG GAA CTG ATA CCG GGA ACA ACA	,			_
		GTT GGG GTC TTG TCC ATG GAC TCA AGT AAT		,		
		GTT TTA CAG CTA ATT GTG GAC GCT TAT GGC AAG ATT AGA TCC AAA			·	
		GTG GAG TTA GAA GTT AGA GAT CTT CCA GAG				
		GAG CTC TCT CTG TCT TTT AAC GCC ACC			,	

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted	Targeted	Cite
#				Ligand	Pathology	#
191	D-99	GAT GAT TCT AAG AAT	Integrin β ₃ subunit (CD	Fb, FN, VN,	Thromb, Auto, SS,	63
	1	TTT TCC ATC CAG GTT	61; platelet glycoprotein	TSP, vWF,	Ather, SIRS, MOF,	
,	ŀ	CGA CAG GTC GAA GAT	gpilla)	OP,BSP, LN,	Trans, Crohn's,	
		TAC CCA GTA GAC ATA	'	CN, L1	IBD, bact, SS, IR,	
		TAT TAC CTA ATG GAT			l in É	
		CTC AGT TAT AGT ATG				
	i	AAG GAC GAT CTA TGG			•	
	'	AGT ATC CAA AAC CTG	•			
•	١.	GGC ACG AAA CTT GCC				ľ
		ACT CAA ATG CGG AAA				1 :
		TTA ACA TCA AAC TTG				
	Į.	AGG ATT GGC TTT GGG				1
1		GCA TTC GTG GAT AAA				
		CCC GTA TCC CCA TAT				
		ATG TAC ATC TCT CCA		·	-	
		CCG GAG GCA CTC GAA				
		AAC CCT TGC TAC GAC				
	ĺ	ATG AAG ACC ACA TGC	·			
		CTT CCT ATG TTT GGG				
		TAT AAA CAC GTG CTT				1
		ACT TTA ACC GAC CAG				
		GTT ACG, AGA TTC AAT	·	٠,		l i
	•	GAA GAG GTA AAA AAG				
		CAA AGT GTA AGC CGT		,	•	
		AAC AGA GAC GCA CCG				
,		GAG GGA GGG TTC GAC				
		GCA ATA ATG CAA GCT				
		ACT GTC TGT GAC GAG				
		AAG ATT GGA TGG AGA				
		AAT GAT GCG TCG CAT				
		TTG TTA GTC TTT ACA	•			
		ACA GAT GCC AAA ACA				
		CAC ATT GCG CTG GAC				
		GGT CGC CTC GCA GGC				
	1	ATA GTT CAG CCA AAT				
<u> </u>		GAT GGT CAG TGT CAT				
		GTG GGT AGT GAT AAT				
		CAT TAT AGC GCT TCA		•		
		_				
		CCC AGT CTA GGA CTG				
		GAT GGT CAG TGT CAT GTG GGT AGT GAT AAT CAT TAT AGC GCT TCA ACA ACC ATG GAC TAC		•		

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
193	D-100	AAG CAA CTG AAT TTC	Integrin β ₇ subunit	VCAM-1 FN,	Auto, SS, MOF,	64
		ACG GCC TCT GGA GAG	(LPAM-1)	MAdCAM-1,	Trans, Crohn's,	
		GCA GAG GCC CGC AGA TGC GCA CGG AGG GAA		E-cadherin	IBD, IR, ID	
		GAG CTC CTA GCT AGG		(cadherin-1)		
-		GGA TGC CCC CTG GAG				
		GAG CTA GAA GAG CCA				
		CGT GGA CAG CAA GAG				
1		GTA CTA CAG GAT CAG CCG CTG TCG CAA GGA				
İ		GCC CGA GGT GAG GGT				
.		GCG ACC CAG CTA GCA				
		CCA CAA CGC GTA CGC				
		GTT ACA TTA CGG CCA				
ŀ		GGC GAA CCA CAA CAA TTA CAG GTA AGA TTT				
		TTG CGT GCT GAA GGG				
1		TAT CCG GTG GAT TTA	·			
	-	TAC TAT CTC ATG GAT				
]	CTT AGT TAC TCC ATG AAG GAT GAT CTA GAA				
		AGG GTA CGC CAA CTG				
	!	GGT CAT GCC TTA TTG				
		GTA AGA TTA CAA GAA				
		GTA ACA CAT AGC GTA				
		CGT ATC GGG TTT GGA TCT TTC GTA GAC AAA			•	
		ACC GTT TTA CCT TTC	·			
		GTG AGT ACC GTG CCT				
		AGC AAA TTG CGT CAC				
•	-	CCT TGT CCA ACT AGG CTT GAG CGA TGC CAG				
		AGT CCG TTC TCA TTC				
		CAC CAT GTT TTG AGT				
}		TTA ACT GGA GAT GCC				
,		CAG GCC TTC GAG CGA				
		GAA GTC GGC CGG CAA TCC GTT TCT GGG AAT		,		
		TTA GAC AGT CCC GAG	•		,	
		GGA GGG TTT GAC GCG		•		
		ATA CTT CAA GCA GCG				
1 1		CTC TGT CAG GAA CAG ATT GGC TGG CGA AAC		٠.		
i · i		GTC AGC AGA CTA TTA				
[GTC TTT ACG AGT GAC				
		GAT ACT TTT CAC ACA				
		GCA GGG GAC GGA AAG				
	-	CTT GGC GGT ATT TTT ATG CCC AGC GAC GGT		:		.
,		CAT TGT CAC CTC GAT	•			
		TCA AAT GGA TTG TAC	~			
	•	AGT CGG TCC ACA GAA TTC GAT TAT CCT TCG		1		
		GTG GGC CAG GTG GCG				
		CAG GCA CTG AGT GCT	,			
		GCA AAC ATC CAG CCA				
		ATA TTT GCT GTT ACA	,		•	
		TCG GCG GCG TTG CCG GTT TAC CAA GAA CTC				
		TCA AAA TTA ATA CCC				
	**	AAA TCC GCT GTC GGC				
		GAA TTA TCT GAG GAC			,] [
		TCC TCA AAC GTG GTC CAA CTC ATC ATG GAC				
·		GCT TAT AAT TCG CTT				
		AGT AGC ACG GTA ACA				
		CTG GAA CAC TCA TCG				}
	l	CTT CCG CCC GGT GTC			•	
		CAT ATT TCT TAT GAG AGT CAA TGT GAA GGG				
	ĺ	CCT				
				*· · · · · · · · · · · · · · · · · · ·		

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted	Targeted	Cite
#		<u> </u>		Ligand	Pathology	#
195	D-101	AGT TTT GTT GAT AAA	Integrin β ₇ subunit	VCAM-1 FN,	Auto, SS, MOF,	64
		ACA GTC CTG CCG TTC	(LPAM-1)	MAdCAM-1,	Trans, Crohn's,	
		GTA AGT ACC GTA CCA		E-cadherin	IBD, IR, ID	
		AGT AAG TTA CGC CAT		(cadherin-1)	' '	
]	CCA TGT CCA ACG AGG		(
	1	TTG GAG AGA TGC CAG				1 .
1		TCT CCT TTT TCC TTC CAC				
		CAT GTC TTA AGC CTA				i
		ACT GGT GAC GCT CAA				
		GCC TTT GAA CGG GAA			F	
		GTA GGA AGA CAA TCG		İ	ļ.	
		GTG AGT GGG AAC CTT				
		GAT TCA CCC GAA GGA				
		GGC TTC GAC GCA ATA				
		TTA CAG GCG GCA CTC			`	
		TGT CAG GAG CAA ATA				1
		GGA TGG CGA AAT GTT				
		AGT CGT TTA TTA GTG				
197	D-102	AAA CAA CTC AAT TTC	Integrin β ₇ subunit	VCAM-1 FN,	Auto, SS, MOF,	64
		ACA GCT AGT GGC GAA	(LPAM-1)	MAdCAM-1,	Trans, Crohn's,	1
		GCA GAG GCT AGG AGA	,	E-cadherin	IBD, IR, ID	
1		TGC GCC AGG CGA GAA		(cadherin-1)	' '	
		GAA TTA TTG GCA CGC		(
		GGG TGT CCC CTG GAG				
		GAG CTT GAA GAG CCA	•			l l
		CGG GGT CAG CAG GAA				
		GTT TTA CAA GAT CAA			!	
		CCA TTA AGT CAG GGA				
		GCA CGC GGC GAA GGG				
ļ		GCG ACA CAA TTA GCG	-			
1		CCA CAG CGT GTC AGA			F	
]		GTG ACA TTG CGA CCA			·	
		GGA GAG CCT CAA CAG				
		TTA CAA GTA CGT TTT				
		CTT CGG GCC GAG GGT			1	
		TAC CCG GTA GAT CTG	•	1		
		TAT TAC CTA ATG GAC				
		CTC AGT TAT AGT ATG				
		AAG GAC GAT CTA	[<u></u>			

SEQ ID	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite
199	D-103	GAA AAA CGT GAG GGA	Integrin β ₇ subunit	VCAM-1 FN,	Auto, SS, MOF,	64
İ		AAA GCC GAA GAC AGA	(LPAM-1)	MAdCAM-1,	Trans, Crohn's,	
		GGC CAG TGT AAC CAC GTG AGG ATA AAC CAA		E-cadherin	IBD, IR, ID	
		ACC GTA ACC TTC TGG		(cadherin-1)		
		GTC TCG CTT CAG GCA				i 1
		ACT CAT TGT TTA CCC				
		GAA CCA CAT TTG CTA CGC CTC CGG GCT TTA				
		GGG TTT TCT GAG GAG	·		ĺ	
		CTC ATA GTT GAG CTA				
		CAC ACG TTA TGT GAC				
		TGC AAT TGC TCA GAC ACG CAA CCA CAA GCG				1
		CCA CAC TGT TCC GAT		İ	•	
1		GGG CAG GGC CAC CTT				
		CAA TGT GGA GTC TGT				
		AGT TGC GCT CCT GGT AGA TTG GGT AGG CTG				
		TGC GAG TGC AGT GTA				
		GCT GAG TTA TCG AGT	•			١.
		CCT GAT CTC GAA AGC		•		
		GGA TGT CGC GCG CCG				
		AAT GGG ACT GGA CCT CTG TGT TCC GGA AAA	•			
		GGG CAT TGC CAG TGT				
		GGT CGG TGC TCT TGC	·			
1		TCG GGT CAG TCA AGT				
		GGC CAT TTG TGC GAA TGT GAC GAC GCC AGC				
		TGT GAA CGG CAT GAG				
		GGC ATT TTG TGC GGG				1 1
		GGT TTC GGC AGG TGC	•			
l i		CAG TGT GGG GTG TGT CAC TGT CAT GCA AAC			•	
		CGA ACA GGT CGA GCA				
		TGC GAG TGT TCC GGC				
1		GAC ATG GAT TCT TGT				
		ATA AGT CCG GAG GGA GGT TTA TGC AGT GGT				
		CAT GGA AGA TGC AAG	·			
		TGC AAT CGC TGC CAA				
		TGC TTA GAT GGT TAC TAC GGA GCC CTA TGT				
		GAT CAG TGC CCA GGC	•			
		TGT AAG ACT CCA TGT				
		GAA AGA CAC CGA GAC				
		TGC GCA GAG TGC GGT GCG TTT AGA ACA GGC				
		CCC CTG GCC ACC AAT				
·		TGC AGC ACA GCT TGT				
]		GCT CAC ACT AAT GTG			4	
]		ACG CTT GCA CTT GCG CCC ATA TTA GAT GAC	_			
		GGC TGG TGT AAA GAA	•			
		AGA ACA TTG GAT AAC				
		CAA CTG TTT TTT TTC				
		CTA GTA GAA GAC GAT GCC AGA GGC ACG GTA				
		GTT CTC CGT GTT AGA				[·]
	. [CCG CAA GAA AAG GGA				
		GCA GAT CAT ACC CAA				
	İ	GCA ATT GTA CTG GGG TGT GTT GGG GGA ATC				
		GTC GCA GTG GGG CTA	· .			
	İ	· GGG CTC GTA CTT GCG		-		
		TAT CGT TTA TCA GTC				
		GAA ATC TAT GAT				
L						i

SEQ ID #	ID#	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #.
201	D-104	GAA CAT ATA CCA GCA	Mimics Integrin α _{IIb} β ₃ subunit	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	65
203	D-105	ATA CCA TGT AAT AAC AAA GGA GCA CAT AGT GTA GGA TTA ATG TGG TGG ATG TTA GCA AGA	67 kD LN receptor	LN	Meta	66
205	D-106	AAA GTA ATA TTA GAT AGA GGA GGA AGT GTA TTA GTA ACA TGT	ICAM-1	Fb .	Thromb, Ather, SIRS, MOF, IR, ID	67
207	D-107	TGC TGG GAC GAT GGA TGG TTA TGT	Phage display library- mimics RGD binding site in integrins	FN, VN	Thromb, Ather, SIRS, MOF, IR, ID	55
209	D-108	TGC TGG GAT GAC TTA TGG TTA TGT	Phage display library- mimics RGD binding site in integrins	FN, VN	Thromb, Ather, SIRS, MOF, IR, ID	55
211	D-109	TGC TTA TTA AGA ATG AGA AGT ATA TGT	Phage display library	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	68
213	D-110	CCA GAT ACA AGA CCC GCC CCT GGA AGT ACA GCA CCG CCA GCG CAT GGA GTA ACA AGT GCT	MUC-1 protein	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	69
215	D-111	GAG TGG TGT GAA TAT TTA GGA GGA TAT TTA AGA TGC TAC GCA	Phage display library	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	70
217	D-112	GAA TGG CCA GAG TAT TTA	Rhinovirus coat protein	ICAM-1	Thromb, Auto, IBD, Ather, SIRS, MOF, Trans, Crohn's, SS, IR, ID	70

Ligand Abbreviations

CN I- Type I collagen CN II- Type II collagen

CN III- Type III collagen

Up to 19 different collagen types

LN- Laminin

VCAM-1- Vascular cell adhesion molecule-1

FN- Fibronectin

MadCAM-1- Mucosal addressin cell adhesion molecule-1

TSD- Thrombospondin

ICAM-1- Intercellular adhesion molecule-1

ICAM-2- Intercellular adhesion molecule-2

ICAM-3- Intercellular adhesion molecule-3

ICAM-4- Intercellular adhesion molecule-4

LPS- bacterial lipopolysaccharide iC3b- Complement fragment iC3b

Fb- Fibrinogen

VN- Vitronectin

vWF- von Willebrand factor

Pathology Abbreviations

Thromb- Thrombosis

Ather- Atherosclerosis

SIRS- Systemic inflammatory response syndrome

MOF- Multiple organ failure

Auto- Autoimmune diseases

ID- Inflammatory diseases

Trans- Allograft transplant rejection

Crohn's- Crohn's disease (one type of inflammatory disease)

IBD- Inflammatory bowel disease

NIF- hookworm neutrophils inhibitory factor

Bact- Bacterial infection

SS- Septic shock

IR- Ischemia-reperfusion injury

Meta- Metastasis, cancer

ADDENDUM B

TABLE 2 – PEPTIDE SEQUENCES

TABLE 2 – PEPTIDE SEQUENCES

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
2	P-1	TYKTKEEMIVATSQTSQY	Integrin α ₂ subunit (CD49b, VLA-2, platelet gpla) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	1 -
NA	P-2	TYK	Integrin α ₂ subunit (CD49b, VLA-2, platelet gpIa) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	2
4	P-3	QTSQY	Integrin α ₂ subunit (CD49b, VLA-2, platelet gpla) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	2
6	P-4	IAVIG	Integrin α ₂ subunit (CD49b, VLA-2, platelet gpla) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	3
8	P-5	TKEEMIVATSQTSQYGGDL TNTFGAIQYARKYAYSAAS GGRRSATIKVMVVVTDGES HDGSMLKAVIDQCNHDNIL RFGIAVLGYLNRN	Integrin α₂ subunit (CD49b, VLA-2, platelet gpIa) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	4
10	P-6	YNVDTESALLYQGPHNTLF GYSWLHSHGAHRWLLVG APTAMWLAMASVINPGAI YRCRIGKNPGQTCEOLQLG SFHGEPGGKTCLEERDHQ WLGVTLSR	Integrin α₄ subunit (CD49b, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	5
12	P-7	QDYVKKFGEHFASCQAGIS SFYTKDLIVMGAPGSSYWT GSLFVYMITTNKYK	Integrin α₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	5
14	P-8	QDYVKKFGEHFASCQAGIS SFYTKDLIVMGAPGSSYWT GSLFVYMITTNKYK	Integrin α₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	5
16	P-9	GHRWKNIFYIKNENKLPTG G	Integrin α ₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	6
18	P-10	GGAPQHEQIGK	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	6
20	P-11	SYWTGS	·Integrin α₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	6
22	P-12	MGAPGSSYWTG	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	7
24	P-13	YNVDTESALLYQGPHNTLF GYSWLHSHGAHRWLLVG A	Integrin α₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8
26	P-14	IVTCGHRWKNIFYIKHENK LPTGGCYGVPPDLRTELSK RIAPGYQDYVKKFGEHFAS CQAGISSFYTKDLIVMGA	Integrin α₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
28	P-15	YMITTNKYKAFLGKQNQV KPGSYLGYSVGAGHFRSQ HTTEVVGGAPQHEQIGKA YIFSIDEKELNILHEMKGKK	Integrin α ₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8
30	P-16 .	LGSYFGASVGAVDLHADG FSDLLVGAPMQSTIREEGR VFVYINSGSGAVMNAMET NLVGSDKYAARFGESIVNL GDIDNDGFEDVAIGAPQED DLQGAIYIYNGRADGISSTF SQRIEGLQISKSLSMFGQSIS GQIDADNNGYVDVAVGAF RSDRSDSAVLLRTRPVVIV DASLSHPESVNRTKFDCVE NGWPSVCIDLTLCFSYKGK EVPGYIVLFYNMSLDVNRK AESPPRFYFSSNGTSDVITG SIQVSSREANCRTHQAFMR KDVRDILTPIQIEAAY	Integrin α₄ subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8
32	P-17	SSIYDDSYLGYSVAVGEFS GDDTEDFVAGVPKGNLTY GYVTILNGSDIRSLYNFSGE QMASYFGYAVAATDVNG DGLDDLLVGAPLLMDRTP DGRPQEVGRVYVYLQHPA GIEPTPTLTLTGHDEFGRFG SSLTPLGDLDQDGYNDVAI GAPFGGETQQGVVFVFPGG PGGLGSKPSQVLQPLWAAS HTPDFFGSALRGGRDLDGN GYPDLIVGSFGVDKAVVYR GRPIVSASASLTIFPAMFNP EERSCSLEGNPVACINLSFC LNASGKHVADSIGFTVELQ LDWQKQKGGVRRALFLAS RQATLTQTLLIQNGAREDC REMKIYLRNESEFRDKLSPI HIA	Integrin α_5 subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID	9
36	P-18	SYLGYSVAVGEESGDDTED FVAGVPKGNLTYGYVTILN GSDIRSLYNFSGEQMASYF GYAVAATDVNGDGLDDLL VGAPLLMDRTPDGRPQEV GRVYVYLQHPAGIEPTPTL TLTGHDEFGRFGSSLTPLG DLDQDGYNDVAIGAPFGG ETQQGVVFVFPGPPGLGS KPSQVLQPLWAASHTPDFF GSALRGGRDLDGNGYPDLI VGSFGVDKAVVYRG AHGSSILACAPLYSWRTEK EPLSDPVGTCYLSTDNFTRI	Integrin α ₅ subunit (CD49e, VLA-5) Integrin α ₅ subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID Thromb, Ather, SIRS, ID	11
	-	LEYAPCRSDFSWAAGQGY CQGGFSAEFTKTGRVVLGG PGSYFWQGQILSATQEQIA ESYYPEYLINLVQGQLQTR QASSIY	(CD496, VLA-3)			
38	P-20	LACAPL	Integrin α ₅ subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID	11
40	P-21	GVDVDQDGETELIGAPLFY GEQRG	Integrin α _L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	12

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
42	P-22	ITDGEATDSGQIDAAKDIIY IIGI	Integrin α _L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	12
44	P-23	PENITDGEATSGC	Integrin α _L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	13-
46	P-24	PENGVDVDQDGETC	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	15
48	P-25	CPNKEKEC	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	
50	P-26	LIDGSG	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β- glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17
52	P-27	FKEFQNNPNPRSLVKP	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β- glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17
54	P-28	ARKNAFKILVVITDGEK	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β- glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17, 18
56	P-29	GCPQEDSDIAFLIDGSGSIIP HDF	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β-	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD,	19
•				glucan, LPS	bact, hookworm, IR, ID	
58	P-30	FRRMKEFVSTVMEQLKKS KTLFS	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β- glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	19
60	P-31	GNSFPASLVVAAEEGERE	Integrin α _{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, Vwf	Thromb, Ather, SIRS, MOF, IR, ID	20

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
62	P-32	NAQIGIAMLVSVGNLEEAG ESVSFQLQI	Integrin α_{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
64	P-33	TLGPSQEETGGVFLCPWR	Integrin α_{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
66	P=34	AEGGQCPSLLFDL	Integrin α _{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
68	P-35	AMVTVLAFLWLPSLYQRP LDQFVLQSHAWFNVSSLPY AV	Integrin α_{IIb} subunit (CD41) light chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
70	P-36	GAHYMRALSNVE	Integrin α _{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	21
72	P-37	GAPL	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	22
74	P-38	GDGRHDLLVGAPL	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	22
76	P-39	TDVNGDGRHDL	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	23
78	P-40	GDGRHDLLVGAP -	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	23
80	P-41	GDGRHDLLVGAPLY	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	24
82	P-42	EFDGDLNTTEYVVGAPTW SWTLGAVEILDSYYQRLHR LRAEQMASYFGHSVAVTD VNGDGRHDLLVGAPLYME SRADRKLAEVGRVYLFLQP RGPHALGAPSLLLTGTQLY GRFGSAIAPLGDLDRDGYN DIAVAAPYGGPSGRGQVLV FLGQSEGLRSRPSQVLDSPF PTGSAFGFSLRGAVDIDDN GYPDLIVGAYGANQVAVY RAQPVVKASVQLLVQDSL NPA	Integrin α _{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	25
84	P-43	AVTDVNGDGRHDLLVGAP LY	Integrin α _{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	26
86	P-44	FSSVVTQAGELVLGAPGGY YFLGLLAQAPVADIFSSYRP GILLWHVSSQSLSFDSSNPE YFDGYWGYSVAVGEFDGD LNTTEYVVGAPTWSWTLG AVEILDSYYQRLHRLRAEQ MASYFGHSVAVTDVNGDG RHDLLVGAPLYMESRADR KLAEVGRVYLFLQPRGPHA LGAPSLLLTGTQLYGRFGS AIAPLGDLDRDGYNDIAVA APYGGPSGRGQVLVFLGQS EGLRSRPSQVLDSPFPTGSA FGFSLRGAVDIDDNGYPDL IVGAYGANQVAVYRAQPV VKASVQLLVQD	Integrin α _{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	27

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
88	P-45	DKLSPIV	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
NA	P-46	QM	Integrin α _{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
90	P-47	VVLH	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR,	28
92	P-48	DLYYLMDLSYSMK	All integrin β subunits	FN, Fb, CN I, VN	All named pathologies	29
NA	P-49	D\$\$\$\$DXSXS\$KDDL; \$ = any hydrophobic residue; X = any residue	All integrin β subunits	All named ligands	All named pathologies	29
94	P-50	YCRKENSSEICSNNGECVC GQCVCRKRDNTNEIYSGKF CECDNFNCDRSNGLICGGN GVCKCRVCECNPNYTGSA CDCSLDTSTCEASNGQICN GRGICECGVCKCTD	Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	30
96	P-51	See sequence listing	Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	31
98	P-52	LRLRSGEPQTFTLKFKRAE DYPIDLYYLMDLSYSMKD DLENVKSLGTDLMNEMRR ITSDFRIGFGSFVEKTVMPY ISTTPAKLRNPCTSEQNCTT PFSYKNVLSLTNKGEVFNE LVGKQRISGNLDSPEGGFD AIMQVAVCGSLIGWRNVT RLLVFSTDAGFHFAGDGKL GGIVLPNDGQCHLENNMY TMSHYYDYPSIAHLVQKLS ENNIQTIFAVTEEFQPVYKE LKNLIPKSA	Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	32
100	P-53	NKGEVFNELVGK .	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	33
102	P-54	TAEKL	Integrin β ₁ subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	34
104	P-55	DYPIDLYYLMDLSYSMKD DLENVKSLG	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	35
106	P-56	NVKSLGTALMREMEKITSD F	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	36

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
108	P-57	GQKQLSPQKVTLYLRPGQ AAAFNVTFRRAKGYPIDLY YLMDLSYSMLDDLRNVKK LGGDLLRALNEITESGRIGF GSFVDKTVLPFVNTHPDKL RNPCPNKEKECQPPFAFRH VLKLTNNSNQFQTEVGKQ LISGNLDAPEGGLDAMMQ VAACPEEIGWRNVTRLLVF ATDDGFHFAGDGKLGAILT PNDGRCHLEDNLYKRSNEF DYPSVGQLAHKLAENNIQP IFAVTSRMVKTYEKLTEIIP KSA	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β-glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	37
110	P-58	YPIDLYYLMDLSYSMLDDL RNVKKLGGDLLRALNEITE SGRIGFGSFVDKTVLPFVNT HPDKLRNPCPNKEKECQPP FAFRHVLKLTNNSNQFQTE VGKQLISGNLDAPEGGLDA MMQVAACPEEIGWRNVTR LLVFATDDGFHFAGDGKL GAILTPNDGRCHLEDNLYK RSNEFDYPSVGQLAHKLAE NNIQPIFAVTSRMVKTYEK LTEIIPKSAVGELSEDSSNV VHLIKNAYNKLSSRVFLDH	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β-glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	38
112	P-59	RNVKK	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
114	P-60	QPPFA	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
116	P-61	LISGNL	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
118	P-62	GQLAH	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
120	P-63	ELSEDSSNVVHLIKNAYNK LSSRVFLDHNALPDTLKVT YDSFCSNGVTHRNQPRGD CDGVQINVPITFQVKVTAT ECIQEQSFVIRALG	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β- glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	40

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
122	P-64	GFTDIVTVQVLPQCECRCR DQSRDRSLCHGKGFLECGI CRCDTGYIGKNCECQTQG	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β-glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	40
124	P-65	CNAFKILVVITDGEK	Integrin β ₂ subunit (CD18) A domain	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β-glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	41
126	P-66	TGIRKVVRELFNITNGARK N	Integrin β ₂ subunit (CD18) A domain	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β-glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	41
128	P-67	DLSYSLDDLRNVKKLGGD LLRALNE	Integrin β ₂ subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β-glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	42, 43
130	P-68	DYPVDIYYLMDLSYSMKD DLWSIQNLGTKLATQMRK LTSNLRIGFGAFVDKPVSPY MYISPPE	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	44
132	P-69	DAPEGGFDAIMQATV	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	45
134	P-70	FSIQVRQVEDYPVDIYYLM DLSYSMKDDLWSIQNLGT KLATQMRKLTSNLRIGFGA FVDKPVSPYMYISPPEALE NPCYDMKTTCLPMFGYKH VLTLTDQVTRFNEEVKKQS VSRNRDAPE	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	46
136	P-71	GVSSCQQCLAVSPMCAWC SDEALPLGSPR	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
138	P-72	VLEDRPLSDKGSGDSSQVT QV	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
140	P-73	NINLIFAVTENVVNLYQNY SELIPGTTVGVLSMDSSNV LQLIVDAYGKIRS	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
142	P-74	IGFGAFVDKPVSPYMYISPP EALENPCYDMKTTCLPMF GYK	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpllIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
144	P-75	SVSRNRDAPEGG	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	47
146	P-76	SVSRNRDAPEG	Integrin β ₃ subunit (CD 61; platelet glycoprotein gplIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, · CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	48
148	P-77	RNRDA .	Integrin β ₃ subunit (CD 61; platelet glycoprotein gplIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	48
150	P-78	DAPEGGFDAIMQAT	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	49
152	P-79	DAPEGGFDAIMQATV	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	49
154	P-80	DAPEGGFDAIMQATVCDE KIGWRNDASHLLVFTTDA KTHIALDGRLAGIVQPNDG QCHVGSDNHYSASTTMDY PSLGLMTEKLSQK	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1, viper and rattlesnake venom components: albolabrin, bitistatin, echistatin, eristostatin	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID, viper and rattlesnake bites	50
156	P-81	MDLSYSMKDDLWSI	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	51
158	P-82	GPNICT	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	52
160	P-83	GPNICTTRGVSSC	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	52
162	P-84	KDSLIVQVTFDCDCACQAQ AEPNSHRCNNGNGTFECG VCRCGPGWLGSQCECSEE DYRPSQQDECSPRE	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	53

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
164	P-85	PTCPDACTFKKECVECKKF DREPYMTENTCNRYCRDEI ESVKELKDTGKDAVNCTY KNEDDCVVRFQYYEDSSG KSILYVVEEPECPKG	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	54
166	P-86	KDDLW	Integrin β ₃ subunit (CD 61; platelet glycoprotein gplIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	55
168	P-87	SVSRNRDAPEGGF	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	24
170	P-88	HVGSDNHYSASTTMDYPS LGLMTEKLSQKNINLIFAVT ENVVNLYQNYSELIPGTTV GVLSMDSSNVLQLIVDAYG KIRSKVELEVRDLPEELSL	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP, BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	56
172	P-89	DDSKNFSIQVRQVEDYPVD IYYLMDLSYSMKDDLWSIQ NLGTKLATQMRKLTSNLRI GFGAFVDKPVSPYMYISPP EALENPCYDMKTTCLPMF GYKHVLTLTDQVTRFNEE VKKQSVSRNRDAPEGGFD AIMQATVCD	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	57
174	P-90	YMYISPPEALENPCYDMKT TCLPMFGYKHVLTLTDQV TR	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	57
176	P-91	RNRDAY	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	58
178	P-92	DAPEGGFDAIMQATVY	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	58
180	P-93	CYDMKTTC	Integrin β ₃ subunit (CD 61; platelet glycoprotein gplIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1, Coxsackievirus A9	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	31, 59
182	P-94	NFSIQVRQVEDYPVDIYYL M	Integrin β ₃ subunit (CD 61; platelet glycoprotein. gplIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	60
184	P-95	DMKTT	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	28

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
186	P-96	ISPPA	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	61
188	P-97	KQSVSRNRDAPE	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	62
190	P-98	DDSKNFSIQVRQVEDYPVD IYYLMDLSYSMKDDLWSIQ NLGTKLATQMRKLTSNLRI GFGAFVDKPVSPYMYISPP EALENPCYDMKTTCLPMF GYKHVLTLTDQVTRFNEE VKKQSVSRNRDAPEGGFD AIMQATVCDEKIGWRNDA SHLLVFTTDAKTHIALDGR LAGIVQPNDGQCHVGSDN HYSASTTMDYPSLGLMTE KLSQKNINLIFAVTENVVN LYQNYSELIPGTTVGVLSM DSSNVLQLIVDAYGKIRSK VELEVRDLPEELSLSFNAT	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	63
192	P-99	DDSKNFSIQVRQVEDYPVD IYYLMDLSYSMKDDLWSIQ NLGTKLATQMRKLTSNLRI GFGAFVDKPVSPYMYISPP EALENPCYDMKTTCLPMF GYKHVLTLTDQVTRFNEE VKKQSVSRNRDAPEGGFD AIMQATVCDEKIGWRNDA SHLLVFTTDAKTHIALDGR LAGIVQPNDGQCHVGSDN HYSASTTMDYPSLGLMTE KLSQ	Integrin β ₃ subunit (CD 61; platelet glycoprotein gpIIIa)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	63
194	P-100	KQLNFTASGEAEARRCARR EELLARGCPLEELEEPRGQ QEVLQDQPLSQGARGEGA TQLAPQRVRVTLRPGEPQQ LQVRFLRAEGYPVDLYYL MDLSYSMKDDLERVRQLG HALLVRLQEVTHSVRIGFG SFVDKTVLPFVSTVPSKLR HPCPTRLERCQSPFSFHHVL SLTGDAQAFEREVGRQSVS GNLDSPEGGFDAILQAALC QEQIGWRNVSRLLVFTSDD TFHTAGDGKLGGIFMPSDG HCHLDSNGLYSRSTEFDYP SVGQVAQALSAANIQPIFA VTSAALPVYQELSKLIPKSA VGELSEDSSNVVQLIMDAY NSLSSTVTLEHSSLPPGVHI SYESQCEGP	Integrin β ₇ subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64
196	P-101	SFVDKTVLPFVSTVPSKLR HPCPTRLERCQSPFSFHHVL SLTGDAQAFEREVGRQSVS GNLDSPEGGFDAILQAALC QEQIGWRNVSRLLV	Integrin β_7 subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64

SEQ ID#	ID#	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
198	P-102	KQLNFTASGEAEARRCARR EELLARGCPLEELEEPRGQ QEVLQDQPLSQGARGEGA TQLAPQRVRVTLRPGEPQQ LQVRFLRAEGYPVDLYYL MDLSYSMKDDL	Integrin β ₇ subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64
200	P-103	EKREGKAEDRGQCNHVRI NQTVTFWVSLQATHCLPEP HLLRLRALGFSEELIVELHT LCDCNCSDTQPQAPHCSDG QGHLQCGVCSCAPGRLGR LCECSVAELSSPDLESGCR APNGTGPLCSGKGHCQCG RCSCSGQSSGHLCECDDAS CERHEGILCGGFGRCQCGV CHCHANRTGRACECSGDM DSCISPEGGLCSGHGRCKC NRCQCLDGYYGALCDQCP GCKTPCERHRDCAECGAFR TGPLATNCSTACAHTNVTL ALAPILDDGWCKERTLDN QLFFFLVEDDARGTVVLRV RPQEKGADHTQAIVLGCV	Integrin β ₇ subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64
202		GGIVAVGLGLVLAYRLSVE IYD				
202	P-104	ЕНІРА	Mimics Integrin α _{IIb} β ₃ subunit	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	65
204	P-105	IPCNNKGAHSVGLMWWM LAR	67 kD LN receptor	LN	Meta	66
206	P-106	KVILDRGGSVLVTC	ICAM-1	Fb	Thromb, Ather, SIRS, MOF, IR, ID	67
208	P-107	CWDDGWLC	Phage display library- mimics RGD binding site in integrins	FN, VN	Thromb, Ather, SIRS, MOF, IR, ID	55
210	P-108	CWDDLWLC	Phage display library- mimics RGD binding site in integrins	FN, VN	Thromb, Ather, SIRS, MOF, IR, ID	55
212	P-109	CLLRMRSIC	Phage display library	ICAM-I	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	68
214	P-110	PDTRPAPGSTAPPAHGVTS A	MUC-1 protein	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	69
216	P-111	EWCEYLGGYLRCYA	Phage display library .	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	70
218	P-112	EWPEYL	Rhinovirus coat protein 14	ICAM-I	Thromb, Auto, IBD, Ather, SIRS, MOF, Trans, Crohn's, SS, IR, ID	70

Ligand Abbreviations CN I- Type I collagen Pathology Abbreviations
Thromb- Thrombosis

CN II- Type II collagen

CN III- Type III collagen Up to 19 different collagen types

LN- Laminin

VCAM-1- Vascular cell adhesion molecule-1

FN- Fibronectin

MadCAM-1- Mucosal addressin cell adhesion molecule-1

TSP- Thrombospondin

ICAM-1- Intercellular adhesion molecule-1

ICAM-2- Intercellular adhesion molecule-2

ICAM-3- Intercellular adhesion molecule-3

ICAM-4- Intercellular adhesion molecule-4

LPS- bacterial lipopolysaccharide

iC3b- Complement fragment iC3b

Fb- Fibrinogen

VN- Vitronectin

vWF- von Willebrand factor

Ather- Atherosclerosis

SIRS- Systemic inflammatory response syndrome

MOF- Multiple organ failure

Auto- Autoimmune diseases

ID- Inflammatory diseases

Trans- Allograft transplant rejection

Crohn's- Crohn's disease (one type of inflammatory disease)

IBD- Inflammatory bowel disease

NIF- hookworm neutrophils inhibitory factor

Bact- Bacterial infection

SS- Septic shock

IR- Ischemia-reperfusion injury

Meta- Metastasis, cancer